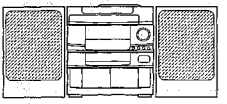
aiwa

aiwa SERVICE

Z-M260
Z-M2600



COMPACT DISC STEREO
CASSETTE RECEIVER

- BASIC TAPE MECHANISM: 2ZM-3MK2 PR4N
- BASIC CD MECHANISM: 6ZG-1 DFNM
- TYPE: U(260), LH(2600)

SERVICE MANUAL

REVISION PUBLISHING

CD-CASSEIVER	SPEAKER	REMOTE CONTROLLER
CX-ZM2600 (TYPE : LH)	SX-FZ2600	RC UNIT, 6AS01
CX-ZM260 (TYPE : U)	SX-Z26	

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" (S/M Code No. 09-969-167-0FE).
- If requiring information about the Speaker, see Service Manual of SX-Z26/SX-FZ2600.(S/M Code No.09-964-137-8FP)

1937# 10/1/025

S/M Code No. 09-976-205-2FP

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SPECIFICATIONS

<FM tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity(IHF)	13.2 dBf
Antenna	75 ohms (unbalanced)

<MW tuner section>

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

<Amplifier section>

Power output	U: 100 watts per channel, Min. RMS at 6 ohms, from 50 Hz to 20 kHz, with no more than 1 % Total Harmonic Distortion. LH: 50 W + 50 W (6 ohms, T.H.D. 10 %, 1 kHz)
Total Harmonic distortion	0.05 % (25 W, 1 kHz, 6 ohms DIN AUDIO)
Inputs	VIDEO/PHONO/AUX: 240mV (adjustable) MIC 1, MIC 2: 3.4 mV (20k ohms)
Outputs	SUPER WOOFER: 2.2 V SPEAKERS: accept speakers of 6 ohms or more SURROUND SPEAKERS: accept speakers of 16 ohms or more PHONES (stereo jack): accepts headphones of 32 ohm or more

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	CrO_2 tape: 50 Hz – 16000 Hz Normal tape: 50 Hz –15000 Hz
Signal-to-noise ratio	60 dB (Dolby B NR ON,CrO2 tape peak level,above 400 Hz)
Recording system	AC bias
Heads	Deck 1: Playback head x 1 Deck 2: Recording/playback/erase head x 1

<Compact disc player section>

Laser	Semiconductor laser (λ =780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.03% (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

<Speaker system SX–FZ2600>

Cabinet type	3 way, bass reflex with srround speaker
Speakers	Woofer: 220 mm cone type Tweeter: 80 mm cone type Super tweeter: 20 mm ceramic type Surround speaker: 80 mm cone type
Impedance	Front speaker: 6 ohms Surround speaker: 16 ohms
Output sound pressure level	89 dB/W/m
Dimensions (W x H x D)	260 x 444 x 275 mm
Weight	5.3 kg

<Speaker system SX–Z26>

Cabinet type	3 way, bass reflex
Speakers	Woofer: 220 mm cone type Tweeter: 80 mm cone type Super tweeter: 20 mm ceramic type
Impedance	6 ohms
Output sound pressure level	90 dB/W/m
Dimensions (W x H x D)	260 x 444 x 270 mm ($10^{1}/_{2}$ x $17^{1}/_{8}$ x $10^{9}/_{4}$ in.)
Weight	4.8 kg(10 lb 9 oz.)

<General>

Power requirements	LH: 120 V/220 -230 V/240 V AC, switchable 50/60Hz U: 120 V AC, 60Hz
Power consumption	LH: 130W U: 115W
Dimensions of main unit (W x H x D)	360 x 394.5 x 372.5 mm ($14^{1}/_{4}$ x $15^{5}/_{8}$ x $14^{3}/_{4}$ in.)
Weight of main unit	LH: 9.1 kg U: 11.7 kg(25 lb 12 oz.)

- Design and specifications are subject to change without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
  "DOLBY" and the double-D symbol ⊡⊡ are trademarks of Dolby Laboratories Licensing Corporation.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.

- Caution: Invisible laser radiation when open and interlocks defeated, avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saataa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herin may result in hazardous radiation exposure.

ATTENTION
L'utillisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL
Usynlig laserstråling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

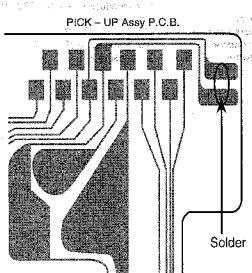
CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

Precaution to replace Optical block

(KSS-213B)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use the clothes do not touch the diode.

1) After the connection, remove solder shown in right figure.



ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	86-MA5-601-010		IC,LC86644DW-5B22
	87-070-453-010		IC,SVS-442-1
	87-017-915-080		C-IC,BU4094BCF
	87-A20-102-010		IC,STK405-090A<LH>
	87-A20-191-010		IC,STK419-140A<U>
	87-017-888-080		IC,NJM4558MD
	87-070-121-010		IC,HA12185NT
	87-A20-069-040		C-IC,BA3842F
	87-001-874-010		IC,HA12134A
	87-A20-107-010		IC,BA3836
	87-017-804-010		IC,BU4052BC
	87-017-914-010		IC,BU4094BC
	87-070-127-110		IC,LC72131D
	87-017-714-110		IC,LA1836L
	87-070-294-010		IC,CXD2508AQ
	87-017-745-010		IC,CXA1782BQ
	87-001-982-010		IC,TA7291S
	87-070-305-010		IC,BA6897S
	87-070-202-049		IC,TA2041F
	87-020-454-010		IC,DN6851
TRANSISTOR			
	89-327-125-080		C-TR,2SC2712GR
	89-213-702-010		TR,2SB1370E
	87-026-235-080		C-TR,DTC114EK
	87-026-210-080		C-TR,DTC144EK
	87-026-610-080		TR,KTC3198GR
	87-026-211-080		C-TR,DTA144EK
	89-332-665-080		TR,2SC3266GR
	89-337-221-380		C-TR,2SC3722K(R/S/E)
	89-111-625-080		C-TR,2SA1162GR
	87-026-226-080		C-TR,DTA143EK
	89-109-521-080		TR,2SA952K
	87-026-234-080		C-TR,DTC143EK
	89-333-266-080		C-TR,2SC3326B
	87-026-609-080		TR,KTA1266GR
	89-502-466-080		FET,2SK246EL
	89-333-317-080		TR,2SC3331T
	89-112-965-080		TR,2SA1296GR
	87-A30-047-080		TR,CSD655E
	89-113-187-880		TR,2SA1318(T/U)
	87-026-238-080		C-TR,DTC144WK
	87-026-214-080		TR,DTA114YS
	89-327-143-080		C-TR,2SC2714(O)
	89-109-705-080		TR,2SA970GR<U>
	89-110-155-080		TR,2SA1015GR
	89-505-434-580		C-FET,2SK543(4/5)
	87-026-214-080		TR,2SA933S (RS)
	89-406-555-080		TR,2SD655E
	89-421-722-080		TR,2SD2172 V/W
	89-320-011-080		TR,2SC2001K
	87-026-239-080		C-TR,DTC114TK
	87-026-233-080		C-TR,DTA114YK
	87-026-223-080		C-TR,DTC143TK
	87-026-608-080		C-TR,DTC123JK
DIODE			
	87-A40-115-060		DIODE,RS603N<U>
	87-A40-116-060		DIODE,RS403L-B-D-51<LH>
	87-001-731-080		ZENER,HZS6C2L
	87-017-091-080		ZENER,HZ5C1
	87-020-465-080		DIODE,LS133
	87-070-978-080		DIODE,1N4003 SEM
	87-020-027-080		C-DIODE,1SS184
	87-020-125-980		C-DIODE,1SS181
	87-017-437-080		DIODE,1N4148M
	87-017-174-080		ZENER,HZ811A3L
	87-027-451-080		ZENER,HZ27-2L
	87-002-608-080		DIODE,DSF1GTC
	87-017-127-080		ZENER,HZS11C1
	87-017-148-080		ZENER,HZS6A1L
	87-017-079-049		ZENER,HZS4A2
	87-A40-183-090		DIODE,RK36(F)<U>
MAIN C.B			
C101	87-016-657-090		CAP,E 3300-7I SMG<U>
C102	87-016-657-090		CAP,E 3300-7I SMG<U>
C101	87-016-474-090		CAP,E 3300-50<LH>
C102	87-016-474-090		CAP,E 3300-50<LH>
C104	87-010-235-080		CAP,E 470-16 SME
C105	87-010-235-080		CAP,E 470-16 SME
C106	87-010-409-089		CAP,E 220-50 SME
C107	87-010-247-080		CAP,E 100-50 SME
C108	87-010-247-080		CAP,E 100-50 SME
C109	87-010-263-080		CAP,E 100-10 SME
C112	87-010-382-080		CAP,E 22-25 SME
C113	87-010-403-080		CAP,E 3.3-50 SME
C116	87-012-140-080		C-CAP,S 470P-50 J CH
C121	87-012-368-080		C-CAP,S 0.1-50 Z F
C122	87-012-368-080		C-CAP,S 0.1-50 Z F
C123	87-018-209-080		CAP,TC U 0.1-50 Z F
C124	87-012-368-080		C-CAP,S 0.1-50 Z F
C125	87-010-263-080		CAP,E 100-10SME<U>
C131	87-010-196-080		C-CAP,S 0.1-25 Z F<U>
C132	87-010-196-080		C-CAP,S 0.1-25 Z F<U>
C145	87-010-186-080		C-CAP,4700P-50 K B<U>
C146	87-010-186-080		C-CAP,4700P-50 K B<U>
C152	87-010-260-080		CAP,E 47-25 SME
C171	87-016-565-090		CAP,E 4700-25 105 TKR
C172	87-016-565-090		CAP,E 4700-25 105 TKR<U>
C173	87-010-196-080		C-CAP,S 0.1-25 Z F
C174	87-010-196-080		C-CAP,S 0.1-25 Z F
C175	87-010-196-080		C-CAP,S 0.1-25 Z F
C176	87-015-785-080		C-CAP,0.1-25 Z F
C220	87-010-194-080		C-CAP,S 0.047-25 K F
C221	87-010-544-089		CAP,E 0.1-50M SME
C222	87-010-544-089		CAP,E 0.1-50M SME
C223	87-010-187-080		C-CAP,S 5600P-50 K B
C224	87-010-187-080		C-CAP,S 5600P-50 K B
C225	87-010-179-080		C-CAP,S 1200P-50 K B
C226	87-010-179-080		C-CAP,S 1200P-50 K B
C227	87-010-405-080		CAP,E 10-50 SME
C228	87-010-405-080		CAP,E 10-50 SME
C229	87-010-405-080		CAP,E 10-50 SME
C230	87-010-405-080		CAP,E 10-50 SME
C231	87-010-147-080		C-CAP,S 3P-50 C CH GRM
C232	87-018-098-080		CAP,TC U 3.3P-50 K SL UP050
C233	87-010-196-080		C-CAP,S 0.1-25 Z F
C234	87-010-196-080		C-CAP,S 0.1-25 Z F
C235	87-010-196-080		C-CAP,S 0.1-25 Z F
C236	87-010-196-080		C-CAP,S 0.1-25 Z F
C243	87-010-322-010		C-CAP,S 100P-50 J C H<U>
C244	87-010-322-010		C-CAP,S 100P-50 J C H<U>
C250	87-A10-200-080		CAP,E 10-100 M SME BP<U>
C260	87-015-785-080		C-CAP,0.1-25 Z F
C301	87-010-318-080		C-CAP,S 47P-50 J CH
C302	87-010-318-080		C-CAP,S 47P-50 J CH
C303	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C304	87-012-157-080		C-CAP,S 330P-50 J CH GRM
C305	87-012-145-080		C-CAP,S 270P-50 J CH
C306	87-012-145-080		C-CAP,S 270P-50 J CH
C307	87-010-196-080		C-CAP,S 0.1-25 Z F
C311	87-010-198-080		C-CAP,S 0.022-25 K B
C312	87-010-198-080		C-CAP,S 0.022-25 K B
C313	87-010-182-080		C-CAP,S 2200P-50 K B<LH>
C313	87-010-181-080		C-CAP,S 1800P-50 K B<U>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C314	87-010-182-080		C-CAP,S 2200P-50 K B<LH>
C314	87-010-181-080		C-CAP,S 1800P-50 K B<U>
C315	87-010-180-089		C-CAP,S 1500P-50 K B<LH>
C315	87-010-179-089		C-CAP,S 1200P-50 K B<U>
C316	87-010-180-089		C-CAP,S 1500P-50 K B<LH>
C316	87-010-179-089		C-CAP,S 1200P-50 K B<U>
C317	87-012-142-080		C-CAP,S 0.33-16 Z F
C318	87-012-142-080		C-CAP,S 0.33-16 Z F
C319	87-012-141-080		C-CAP,S 0.22-16 Z F
C320	87-012-141-080		C-CAP,S 0.22-16 Z F
C321	87-010-196-080		C-CAP,S 0.1-25 Z F
C322	87-010-196-080		C-CAP,S 0.1-25 Z F
C324	87-010-260-080		CAP,E 47-25 SME
C325	87-010-370-080		CAP,E 330-6.3 SME
C326	87-010-196-080		C-CAP,S 0.1-25 Z F
C330	87-010-401-080		CAP,E 1-50 SME
C332	87-015-785-080		C-CAP,0.1-25 Z F
C335	87-010-805-080		C-CAP,S 1-16 Z F
C336	87-010-805-080		C-CAP,S 1-16 Z F
C337	87-010-196-080		C-CAP,S 0.1-25 Z F
C338	87-010-196-080		C-CAP,S 0.1-25 Z F
C339	87-010-196-080		C-CAP,S 0.1-25 Z F
C340	87-015-785-080		C-CAP,0.1-25 Z F
C351	87-012-154-080		C-CAP,S 150P-50 J CH
C352	87-012-154-080		C-CAP,S 150P-50 J CH
C451	87-012-140-080		C-CAP,S 470P-50 J CH
C452	87-012-140-080		C-CAP,S 470P-50 J CH
C453	87-010-178-080		C-CAP,S 1000P-50 K B
C454	87-010-956-080		C-CAP,S 0.068-25 K B<U>
C455	87-010-178-080		C-CAP,S 1000P-50 K B<U>
C456	87-010-260-080		CAP,E 47-25 SME
C457	87-010-197-080		C-CAP,S 0.01-25 K B
C458	87-010-183-080		C-CAP,S 2700P-50 K B
C459	87-010-183-080		C-CAP,S 2700P-50 K B
C460	87-010-183-080		C-CAP,S 2700P-50 K B
C470	87-010-196-080		C-CAP,S 0.1-25 Z F
C501	87-010-179-080		C-CAP,S 1200P-50 K B
C502	87-010-179-080		C-CAP,S 1200P-50 K B
C503	87-012-155-080		C-CAP,S 180P-50 J CH
C504	87-012-155-080		C-CAP,S 180P-50 J CH
C515	87-010-545-080		CAP,E 0.22-50 SME
C516	87-010-545-080		CAP,E 0.22-50 SME
C519	87-015-785-080		C-CAP,0.1-25 Z F
C521	87-010-197-080		C-CAP,S 0.01-25 K B
C522	87-010-318-080		C-CAP,S 470-50 J CH
C523	87-010-197-080		C-CAP,S 0.01-25 K B
C524	87-010-402-080		CAP,E 2.2-50 SME
C525	87-010-184-080		C-CAP,S 3300P-50 K B
C526	87-010-196-080		C-CAP,S 0.1-25 Z F
C527	87-010-401-080		CAP,E 1-50 SME
C528	87-010-401-080		CAP,E 1-50 SME
C529	87-010-384-080		CAP,E 100-25 SME
C530	87-010-197-080		C-CAP,S 0.01-25 K B
C531	87-010-183-080		C-CAP,S 2700P-50 K B
C532	87-010-394-080		C-CAP,S 0.047-25 K F
C533	87-010-197-080		C-CAP,S 0.01-25 K B
C534	87-010-263-080		CAP,E 100-10 SME
C535	87-010-401-080		CAP,E 1-50 SME
C536	87-010-401-080		CAP,E 1-50 SME
C537	87-010-545-080		CAP,E 0.22-50 SME
C540	87-010-196-080		C-CAP,S 0.1-25 Z F
C541	87-010-196-080		C-CAP,S 0.1-25 Z F
C542	87-010-405-080		CAP,E 10-50 SME
C543	87-010-546-080		CAP,E 0.33-50 SME
C544	87-010-546-080		CAP,E 0.33-50 SME
C545	87-010-400-080		CAP,E 0.47-50 SME
C546	87-010-400-080		CAP,E 0.47-50 SME
C547	87-015-822-080		C-CAP,0.022-25 Z F
C548	87-015-822-080		C-CAP,0.022-25 Z F
C553	87-015-627-080		C-CAP,1000P-50 K B
C554	87-015-627-080		C-CAP,1000P-50 K B
C557	87-010-178-080		C-CAP,S 1000P-50 K B
C558	87-010-178-080		C-CAP,S 1000P-50 K B
C601	87-010-178-080		C-CAP,S 1000P-50 K B
C602	87-010-178-080		C-CAP,S 1000P-50 K B
C641	87-010-196-080		C-CAP,S 0.1-25 Z F
C642	87-010-196-080		C-CAP,S 0.1-25 Z F
C701	87-010-381-080		CAP,E 330-16 SME
C702	87-010-404-080		CAP,E 4.7-50 SME
C703	87-010-197-080		C-CAP,S 0.01-25 K B
C704	87-010-197-080		C-CAP,S 0.01-25 K B
C711	87-010-263-080		CAP,E 100-10 SME
C712	87-010-196-080		C-CAP,S 0.1-25 Z F
C722	87-010-152-080		C-CAP,S 8P-50 D CH
C723	87-010-178-080		C-CAP,S 1000P-50 K B
C725	87-010-178-080		C-CAP,S 1000P-50 K B
C727	87-010-196-080		C-CAP,S 0.1-25 Z F
C728	87-010-248-080		CAP,E 220-10 SME
C735	87-018-134-080		CAP,TC U 0.01-16 N Y UP050
C770	87-010-405-080		CAP,E 10-50 SME
C771	87-010-405-080		CAP,E 10-50 SME
C772	87-010-194-080		C-CAP,S 0.047-25 K F
C773	87-015-785-080		C-CAP,0.1-25 Z F
C774	87-010-263-080		CAP,E 100-10 SME
C775	87-010-405-080		CAP,E 10-50 SME
C776	87-010-197-080		C-CAP,S 0.01-25 K B
C777	87-010-400-080		CAP,E 0.47-50 SME
C778	87-010-401-080		CAP,E 1-50 SME
C779	87-010-401-080		CAP,E 1-50 SME
C780	87-010-197-080		C-CAP,S 0.01-25 K B
C781	87-010-405-080		CAP,E 10-50 SME
C782	87-010-405-080		CAP,E 10-50 SME
C785	87-010-197-080		C-CAP,S 0.01-25 K B
C786	87-010-197-080		C-CAP,S 0.01-25 K B
C787	87-010-184-080		C-CAP,S 3300P-50 K B
C788	87-010-184-080		C-CAP,S 3300P-50 K B
C789	87-015-826-080		C-CAP,1200P-50 K B
C790	87-010-179-080		C-CAP,S 1200P-50 K B
C791	87-010-401-080		CAP,E 1-50 SME
C792	87-010-180-080		C-CAP,S 1500P-50 K B
C793	87-010-189-080		C-CAP,S 8200P-50 K B
C794	87-010-408-080		CAP,E 47-50 SME
C795	87-010-194-080		C-CAP,S 0.047-25 K F
C796	87-010-403-080		CAP,E 3.3-50 SME
C802	87-010-197-080		C-CAP,S 0.01-25 K B
C803	87-018-134-089		CAP,TC U 0.01-16 N Y
C814	87-010-196-080		C-CAP,S 0.1-25 Z F
C815	87-018-134-080		CAP,TC U 0.01-16
C819	87-010-197-080		C-CAP,S 0.01-25 K B
C820	87-010-408-080		CAP,E 47-50 SME
C821	87-010-197-080		C-CAP,S 0.01-25 K B
C823	87-010-197-080		C-CAP,S 0.01-25 K B
C828	87-010-197-080		C-CAP,S 0.01-25 K B
C829	87-010-197-080		C-CAP,S 0.01-25 K B
C830	87-015-819-080		C-CAP,0.01-50 K B
C835	87-010-197-080		C-CAP,S 0.01-25 K B
C903	87-018-119-080		CAP,TC U 100P-50 K B UP050
C946	87-010-401-080		CAP,E 1-50 SME
C960	87-010-196-080		C-CAP,S 0.1-25 Z F
C961	87-010-152-080		C-CAP,S 8P-50 D CH
C987	87-018-134-080		CAP,TC U 0.01-16 N Y UP050
C990	87-010-197-080		C-CAP,S 0.01-25 K B
C993	87-018-134-080		CAP,TC U 0.01-16 N Y UP050
C995	87-010-197-089		C-CAP,S 0.01-25 K B
C999	87-010-196-080		C-CAP,S 0.1-25 Z F
CF801	87-008-261-010		FLTR,IF SFE10.7MA5A
CF802	87-008-261-010		FLTR,IF SFE10.7MA5A
FEE801	86-NP4-670-010		FE PACK 2EX-N
J252	87-A60-024-010		JACK,DIA6.3BLK
J253	87-099-802-010		JACK,PIN 3P BRW

REF NO.	PART NO.	KANRI NO.	DESCRIPTION
J254	87-033-240-010		TERMINAL HSP-324V-05
J652	87-099-741-010		JACK,PIN 2P JT
J801	87-033-239-010		TERMINAL HSP-154V-2
L101	87-003-383-010		COIL,10H K<U>
L102	87-003-383-010		COIL,10H K<U>
L403	87-007-341-010		COIL,TRAP 85KHZ
L404	87-007-341-010		COIL,TRAP 85KHZ
L451	87-007-342-010		COIL,OSC 85KHZ BIAS
L701	87-003-293-010		COIL,TRAP MPX
L702	87-003-293-010		COIL,TRAP MPX
L741	87-A50-015-010		COIL,FM DET (TOK)
L742	87-A90-051-010		FLTR,CFAZ-450 (TOK)
L770	87-003-102-080		COIL,10UH K LALO2
L790	87-003-231-080		COIL,2125 1UH K
L832	87-005-847-080		COIL,2.2UH K CBCS
L981	86-MF4-668-010		COIL,AM PACK 2(TOM)
PIN351	87-099-832-010		CONN,8P V S2M-SW
PR112	87-026-689-080		PROTECTOR,1A 491SERIES 60V<LH>
R105	87-022-680-080		RES,M/F 0.1-2W J
R106	87-022-680-080		RES,M/F 0.1-2W J
R251	87-A00-117-080		RES,330-1/2W<U>
R252	87-A00-117-080		RES,330-1/2W<U>
R253	87-A00-117-080		RES,330-1/2W<U>
R254	87-A00-117-080		RES,330-1/2W<U>
RY101	87-045-389-010		RELAY,12V OSA-SS-212DM5
RY102	87-045-382-010		RELAY,12V QUAZ-SH-112L
SFR301	87-024-174-080		SFR,33K H RH0638C
SFR302	87-024-174-080		SFR,33K H RH0638C
SFR303	87-024-174-080		SFR,33K H RH0638C
SFR304	87-024-174-080		SFR,33K H RH0638C
SFR305	87-024-175-080		SFR,47K H RH0638C
SFR306	87-024-174-080		SFR,33K H RH0638C
SFR451	87-024-175-080		SFR,47K H RH0638C
SFR452	87-024-175-080		SFR,47K H RH0638C
SFR722	87-024-171-080		SFR,4.7K H RH0638C
TC701	87-011-253-080		TRIMMER,CER 30P
VR651	82-NP5-660-010		VR,50KEX2AK14K12A
X703	84-506-618-010		VIB,CSR CSB 456 F15
X721	87-030-372-010		VIB,XTAL 7.200MHZ CSA-309
W101	85-NP5-628-010		F-CABLE,7P-2.5
W604	88-906-271-110		FF-CABLE,6P-1.25

FRONT C.B

C101	87-010-553-040		CAP,E 47-16 5L SRE
C102	87-010-805-080		C-CAP,S 1-16 Z F
C103	87-010-553-040		CAP,E 47-16 5L SRE
C104	87-010-196-080		C-CAP,S 0.1-25 Z F
C105	87-015-695-040		CAP,E 1-50 7L SRA
C106	87-010-196-080		C-CAP,S 0.1-25 Z F
C107	87-010-805-080		C-CAP,S 1-16 Z F
C108	87-010-178-080		C-CAP,S 1000P-50 K B
C109	87-018-131-080		CAP,TC U 1000P-50 K B UP050
C110	87-010-154-080		C-CAP,S 10P-50 D CH
C111	87-012-156-080		C-CAP,S 220P-50 J CH GRM
C112	87-010-178-080		C-CAP,S 1000P-50 K B
C113	87-010-408-080		CAP,E 47-50 SME
C181	87-012-140-080		C-CAP,S 470P-50 J CH
C182	87-012-140-080		C-CAP,S 470P-50 J CH
C220	87-015-696-040		CAP,E 2.2-50 7L SRA
C221	87-015-696-040		CAP,E 2.2-50 7L SRA
C251	87-010-805-080		C-CAP,S 1-16 Z F
C252	87-018-209-080		CAP,TC U 0.1-50 Z F UP050
C401	87-010-553-040		CAP,E 47-16 5L SRE
C402	87-010-196-080		C-CAP,S 0.1-25 Z F
C403	87-010-182-080		C-CAP,S 2200P-50 K B
C404	87-016-460-080		C-CAP,S 0.22-16 K B
C405	87-015-681-040		CAP,E 10-16 7L SRA
C406	87-015-691-040		CAP,E 0.1-50 7L SRA
C407	87-016-460-080		C-CAP,S 0.22-16 K B
C408	87-010-182-080		C-CAP,S 2200P-50 K B
C409	87-010-993-080		C-CAP,S 0.056-25 J B
C410	87-016-460-080		C-CAP,S 0.22-16 K B
C411	87-010-196-080		C-CAP,S 0.1-25 Z F
C412	87-016-460-080		C-CAP,S 0.22-16 K B
C413	87-010-993-080		C-CAP,S 0.056-25 J B
C414	87-010-060-080		CAP,E 100-16 7L SRA
C421	87-015-695-040		CAP,E 1-50 7L SRA
C422	87-015-695-040		CAP,E 1-50 7L SRA
C431	87-010-196-080		C-CAP,S 0.1-25 Z F
C432	87-010-196-080		C-CAP,S 0.1-25 Z F
C553	87-018-199-080		CAP,TC-U 3300P-16 M X
C554	87-018-199-080		CAP,TC-U 3300P-16 M X
C555	87-018-196-080		CAP,TC-U 1500P-16 M X
C556	87-016-044-040		CAP,E 100-16 5L
C557	87-010-497-040		CAP,E 4.7-35 5L
C558	87-010-497-040		CAP,E 4.7-35 5L
C559	87-010-550-040		CAP,E 100-6.3 5L
C560	87-018-134-080		CAP,TC-U 0.01-16 N Y
C561	87-018-134-080		CAP,TC-U 0.01-16 N Y
C562	87-010-193-080		C-CAP,S 0.033-25KF
C563	87-010-198-080		C-CAP,S 0.022-25KB
C588	87-018-196-080		CAP,TC-U 1500P-16 M X
C589	87-018-196-080		CAP,TC-U 1500P-16 M X
C590	87-018-199-080		CAP,TC-U 3300P-16 M X
C591	87-018-199-080		CAP,TC-U 3300P-16 M X
C600	87-010-545-080		CAP,E 0.22-50 SME
C601	87-010-321-080		C-CAP,S 82P-50 J CH
C602	87-010-196-080		C-CAP,S 0.1-25 Z F
C606	87-010-177-080		C-CAP,S 820P-50 J SL
C615	87-010-805-080		C-CAP,S 1-16 Z F
C620	87-015-681-040		CAP,E 10-16 7L SRA
C630	87-010-248-080		CAP,E 220-10 SME
FL101	86-MA5-602-010		FL,5MA-5 25D39104TA
J601	87-099-659-010		JACK,6.3 0
J602	87-099-659-010		JACK,6.3 0
L201	87-A50-052-010		COIL,CLOCK 5.76MHZ T1
LED201	87-017-785-080		LED,SEL4214S RED
LED202	87-017-785-080		LED,SEL4214S RED
LED203	87-017-785-080		LED,SEL4214S RED
LED204	87-017-785-080		LED,SEL4214S RED
LED205	87-017-731-080		LED,SEL1510CM2 PGRN
LED206	87-017-731-080		LED,SEL1510CM2 PGRN
LED207	87-017-731-080		LED,SEL1510CM2 PGRN
LED208	87-017-731-080		LED,SEL1510CM2 PGRN
LED209	87-017-731-080		LED,SEL1510CM2 PGRN
LED210	87-017-731-080		LED,SEL1510CM2 PGRN
LED211	87-017-731-080		LED,SEL1510CM2 PGRN
LED212	87-017-731-080		LED,SEL1510CM2 PGRN
LED213	87-070-270-010		LED,SEL1510CM2-LF34 P-GRN
LED214	87-070-270-010		LED,SEL1510CM2-LF34 P-GRN
LED215	87-070-270-010		LED,SEL1510CM2-LF34 P-GRN
LED216	87-070-270-010		LED,SEL1510CM2-LF34 P-GRN
LED217	87-070-300-010		LED,SEL1250SM LF34 RED
LED218	87-070-300-010		LED,SEL1250SM LF34 RED
LED219	87-017-731-080		LED,SEL1510CM2 PGRN
LED220	87-017-731-080		LED,SEL1510CM2 PGRN
LED221	87-017-731-080		LED,SEL1510CM2 PGRN
LED222	87-017-731-080		LED,SEL1510CM2 PGRN
LED223	87-017-731-080		LED,SEL1510CM2 PGRN
LED224	87-017-731-080		LED,SEL1510CM2 PGRN
LED225	87-017-785-080		LED,SEL4214S RED
LED226	87-017-785-080		LED,SEL4214S RED
LED227	87-017-785-080		LED,SEL4214S RED
LED228	87-017-785-080		LED,SEL4214S RED
LED229	87-017-785-080		LED,SEL4214S RED
MVR501	83-NT4-635-010		VOL,50 K B X 2 (M)
R301	87-022-356-080		C-RES,10K-1/10W F
R310	87-022-356-080		C-RES,10K-1/10W F
R319	87-025-424-080		RES,M/F 10K-1/6W F

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
R503	87-029-060-090		RES,FUSE 33-1/4W J
S301	87-036-215-080		SW,TACT EVQ 21404M
S302	87-036-215-080		SW,TACT EVQ 21404M
S303	87-036-215-080		SW,TACT EVQ 21404M
S304	87-036-215-080		SW,TACT EVQ 21404M
S305	87-036-215-080		SW,TACT EVQ 21404M
S306	87-036-215-080		SW,TACT EVQ 21404M
S307	87-036-215-080		SW,TACT EVQ 21404M
S308	87-036-215-080		SW,TACT EVQ 21404M
S309	87-036-215-080		SW,TACT EVQ 21404M
S310	87-036-215-080		SW,TACT EVQ 21404M
S311	87-036-215-080		SW,TACT EVQ 21404M
S312	87-036-215-080		SW,TACT EVQ 21404M
S313	87-036-215-080		SW,TACT EVQ 21404M
S314	87-036-215-080		SW,TACT EVQ 21404M
S315	87-036-215-080		SW,TACT EVQ 21404M
S316	87-036-215-080		SW,TACT EVQ 21404M
S317	87-036-215-080		SW,TACT EVQ 21404M
S318	87-036-215-080		SW,TACT EVQ 21404M
S319	87-A90-095-080		SW,TACT EVQ 11G04M
S320	87-A90-095-080		SW,TACT EVQ 11G04M
S321	87-A90-095-080		SW,TACT EVQ 11G04M
S322	87-A90-095-080		SW,TACT EVQ 11G04M
S323	87-A90-095-080		SW,TACT EVQ 11G04M
S325	87-036-215-080		SW,TACT EVQ 21404M
S326	87-036-215-080		SW,TACT EVQ 21404M
VR601	86-MA5-604-010		VR,RTRY 10KAK1
W104	88-914-251-110		FF-CABLE,14P-1.25
W502	88-915-301-210		FF-CABLE,15P-1.25

CD KEY C.B

S327	87-036-215-080		SW,TACT EVQ 21404M
S328	87-036-215-080		SW,TACT EVQ 21404M
S329	87-036-215-080		SW,TACT EVQ 21404M
S330	87-036-215-080		SW,TACT EVQ 21404M
S331	87-036-215-080		SW,TACT EVQ 21404M
S332	87-036-215-080		SW,TACT EVQ 21404M
S333	87-036-215-080		SW,TACT EVQ 21404M

CD MAIN C.B

	86-ZG1-605-019		CABLE,FFC 16P
	86-ZG1-608-019		CABLE,FFC 8P
C11	87-010-182-089		C-CAP,S 2200P-50 B
C12	87-016-081-089		C-CAP,S 0.1-16 RK
C13	87-016-081-089		C-CAP,S 0.1-16 RK
C14	87-016-081-089		C-CAP,S 0.1-16 RK
C15	87-010-404-049		CAP,E 4.7-50 SME
C16	87-016-081-089		C-CAP,S 0.1-16 RK
C17	87-010-197-089		C-CAP,S 0.01-25 B
C18	87-010-402-049		CAP,E 2.2-50 SME
C19	87-010-382-049		CAP,E 22-25 SME
C20	87-010-213-089		C-CAP,S 0.015-25 B
C21	87-010-197-089		C-CAP,S 0.01-25 B
C22	87-010-263-049		CAP,E 100-10 SME
C23	87-010-197-089		C-CAP,S 0.01-25 B
C24	87-016-369-089		C-CAP,S 0.033-25 B K
C25	87-010-197-089		C-CAP,S 0.01-25 B
C26	87-016-369-089		C-CAP,S 0.033-25 B K
C27	87-010-197-089		C-CAP,S 0.01-25 B
C29	87-010-154-089		C-CAP,S 10P-50 D CH
C30	87-010-263-049		CAP,E 100-10 SME
C31	87-010-178-089		C-CAP,S 1000P-50 B
C32	87-010-198-089		C-CAP,S 0.022-25 B
C33	87-016-081-089		C-CAP,S 0.1-16 RK
C34	87-010-197-089		C-CAP,S 0.01-25 B
C35	87-010-263-049		CAP,E 100-10 SME
C36	87-015-677-049		CAP,E 100-6.3 7L
C37	87-010-197-089		C-CAP,S 0.01-25 B
C38	87-010-260-089		CAP,E 47-25 SME

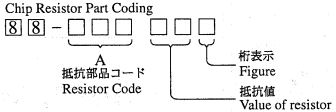
REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
C39	87-010-196-089		C-CAP,S 0.1-25 F
C91	87-010-263-049		CAP,E 100-10 SME
C101	87-010-596-089		C-CAP,S 0.047-16 RK
C102	87-010-188-089		C-CAP,S 6800P-50 B
C103	87-018-132-089		CAP,TC-U 2200P-16 X
C104	87-012-156-089		C-CAP,S 220P-50 CH
C105	87-010-404-049		CAP,E 4.7-50 SME
C106	87-010-263-049		CAP,E 100-10 SME
C107	87-010-197-089		C-CAP,S 0.01-25 B
C108	87-016-526-089		C-CAP,S 0.47-16 BK
C109	87-010-197-089		C-CAP,S 0.01-25 B
C112	87-010-318-089		C-CAP,S 47P-50 CH
C113	87-010-263-089		CAP,E 100-10 SME 5X11
C114	87-010-197-089		C-CAP,S 0.01-25 B
C115	87-010-318-089		C-CAP,S 47P-50 CH
C116	87-010-318-089		C-CAP,S 47P-50 CH
C117	87-010-197-089		C-CAP,S 0.01-25 B
C122	87-010-186-089		C-CAP,S 4700P-50 B
C123	87-010-382-049		CAP,E 22-25 SME
C201	87-010-318-089		C-CAP,S 47P-50 CH
C202	87-010-318-089		C-CAP,S 47P-50 CH
C203	87-010-321-089		C-CAP,S 82P-50 CH
C204	87-010-321-089		C-CAP,S 82P-50 CH
C205	87-010-321-089		C-CAP,S 82P-50 CH
C206	87-010-321-089		C-CAP,S 82P-50 CH
C207	87-012-153-089		C-CAP,S 120P-50 CH
C208	87-012-153-089		C-CAP,S 120P-50 CH
C209	87-012-153-089		C-CAP,S 120P-50 CH
C210	87-012-153-089		C-CAP,S 120P-50 CH
C211	87-010-403-049		CAP,E 3.3-50 SME
C212	87-010-403-089		CAP,E 3.3-50 SME
C213	87-010-186-089		C-CAP,S 4700P-50 B
C214	87-010-186-089		C-CAP,S 4700P-50 B
C231	87-016-251-049		CAP,E 220-16 SMG
C232	87-010-263-089		CAP,E 100-10 SME 5X11
C301	87-010-196-089		C-CAP,S 0.1-25 F
C302	87-010-260-089		CAP,E 47-25 SME
C401	87-010-403-089		CAP,E 3.3-50 SME
C402	87-010-403-049		CAP,E 3.3-50 SME
C501	87-016-459-049		CAP,E 470-10 SMG
C502	87-010-197-089		C-CAP,S 0.01-25 B
C503	87-010-263-049		CAP,E 100-10 SME
C504	87-010-196-089		C-CAP,S 0.1-25 F
C505	87-010-196-089		C-CAP,S 0.1-25 F
C506	87-010-196-089		C-CAP,S 0.1-25 F
C507	87-010-196-089		C-CAP,S 0.1-25 F
C508	87-016-459-049		CAP,E 470-10 SMG
C509	87-010-196-089		C-CAP,S 0.1-25 F
C510	87-010-196-089		C-CAP,S 0.1-25 F
C601	87-010-196-089		C-CAP,S 0.1-25 F
C602	87-016-251-049		CAP,E 220-16 SMG
C603	87-010-196-089		C-CAP,S 0.1-25 F
C701	87-010-322-089		C-CAP,S 100P-50 CH
C702	87-010-318-089		C-CAP,S 47P-50 CH
C703	87-010-318-089		C-CAP,S 47P-50 CH
C705	87-010-178-089		C-CAP,S 1000P-50 B
C901	87-010-260-049		CAP,E 47-25 SME
C902	87-010-196-089		C-CAP,S 0.1-25 F
L11	87-003-102-089		COIL,10UH K LAL02
LED901	87-A40-123-019		LED,SLZ-8128A-01-B
M601	87-045-305-019		MOTOR,RF-500TB
R36	87-022-365-089		C-RES,S 100K-1/10W F
R37	87-022-363-089		C-RES,S 68K-1/10W F
R38	87-022-363-089		C-RES,S 68K-1/10W F
R39	87-022-363-089		C-RES,S 68K-1/10W F
R40	87-022-363-089		C-RES,S 68K-1/10W F
R41	87-022-365-089		C-RES,S 100K-1/10W F
SFR11	87-024-175-089		SFR,47K DIA6V
SFR12	87-024-176-089		SFR,100K DIA6V
SFR13	87-024-176-089		SFR,100K DIA6V

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
SW601	87-036-109-019		SW,PUSH SPPB 61
SW602	87-036-109-019		SW,PUSH SPPB 61
SW603	87-036-109-019		SW,PUSH SPPB 61
X101	87-030-402-089		VIB,XTAL 16.9344MHZ
AC1 C.B			
⚠	82-304-743-010		TERMINAL,1P<LH>
⚠ CF101	87-033-147-010		FUSE,CLAMP MT-20<LH>
⚠ CF102	87-033-147-010		FUSE,CLAMP MT-20<LH>
⚠ F101	87-035-366-019		FUSE,2.5A 250VT<LH>
⚠ PT101	86-MA5-617-010		PT,LH<LH>
⚠ PT101	86-NP4-656-010		PT,6NF-4 U<U>
⚠ F109	87-035-492-010		FUSE,6.3A 125VT<U>
⚠ SW101	87-A90-165-010		SW,SL 1-2-3 SWS2301<LH>
AC2 C.B			
⚠	87-033-213-089		FUSE,CLAMP PFC5000<U>
⚠ PR101	87-026-682-089		PROTECTOR,10A 491SERIES 60V<LH>
⚠ PR102	87-026-682-089		PROTECTOR,10A 491SERIES 60V<LH>
⚠ F101	87-026-691-089		FUSE,10A 125V<U>
⚠ F102	87-026-691-089		FUSE,10A 125V<U>
LED C.B			
LED701	87-017-733-080		LED,SEL1250SM
LED702	87-017-350-080		LED,SEL1550CM
LED703	87-017-733-080		LED,SEL1250SM

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
T-T C.B			
C411	87-018-214-089		CAP,TC U 0.1-50
LED411	87-070-288-019		LED,GL380
M401	87-A90-036-019		MOT ASSY,RF-300CA-11
PS401	87-A90-156-019		SNSR,SG-240
Q411	87-A30-031-019		P-TR,PT380F
S401	87-036-109-019		SW,PUSH SPPB61
CD MOTOR C.B			
SW1	87-036-340-019		SW,LEAF LSA-1121
M20	87-045-358-019		MOT,RF-310TA 43
M21	87-045-356-019		MOT,RF-310TA 30
HEAD-1 C.B			
HEAD-2 C.B			
DECK C.B			
SFR1	87-024-581-089		SFRJ.3K,DIA 6H
SOL1	82-ZM1-618-010		SOL ASSY,27
SOL2	82-ZM1-618-010		SOL ASSY,27
SW1	87-036-378-010		SW,PUSH 1-1-1 SH2
SW2	87-036-378-010		SW,PUSH 1-1-1 SH2
SW3	87-036-378-010		SW,PUSH 1-1-1 SH2
SW4	87-036-378-010		SW,PUSH 1-1-1 SH2
SW5	87-036-378-010		SW,PUSH 1-1-1 SH2
SW6	87-036-378-010		SW,PUSH 1-1-1 SH2
SW8	87-036-378-010		SW,PUSH 1-1-1 SH2

Oチップ抵抗部品コード／CHIP RESISTOR PART CODE

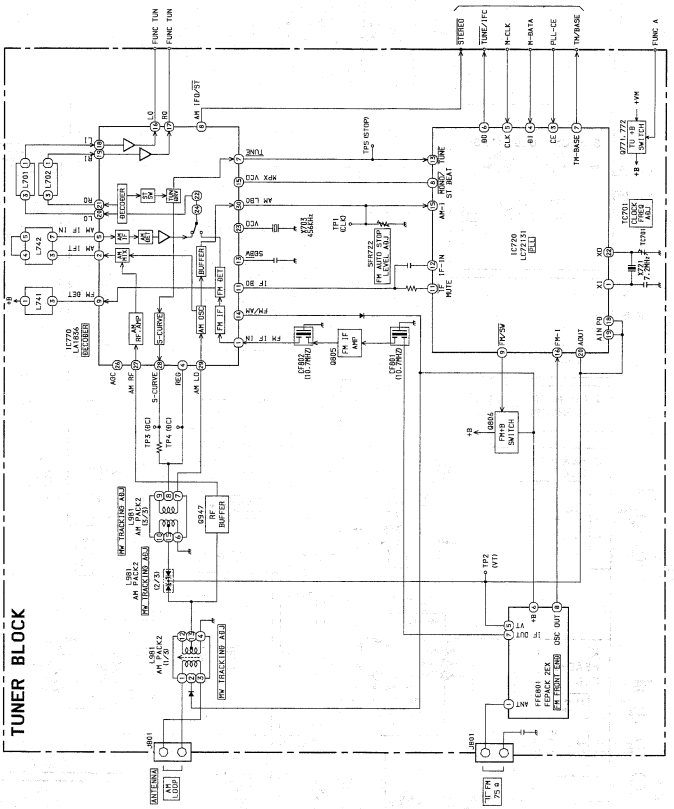
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



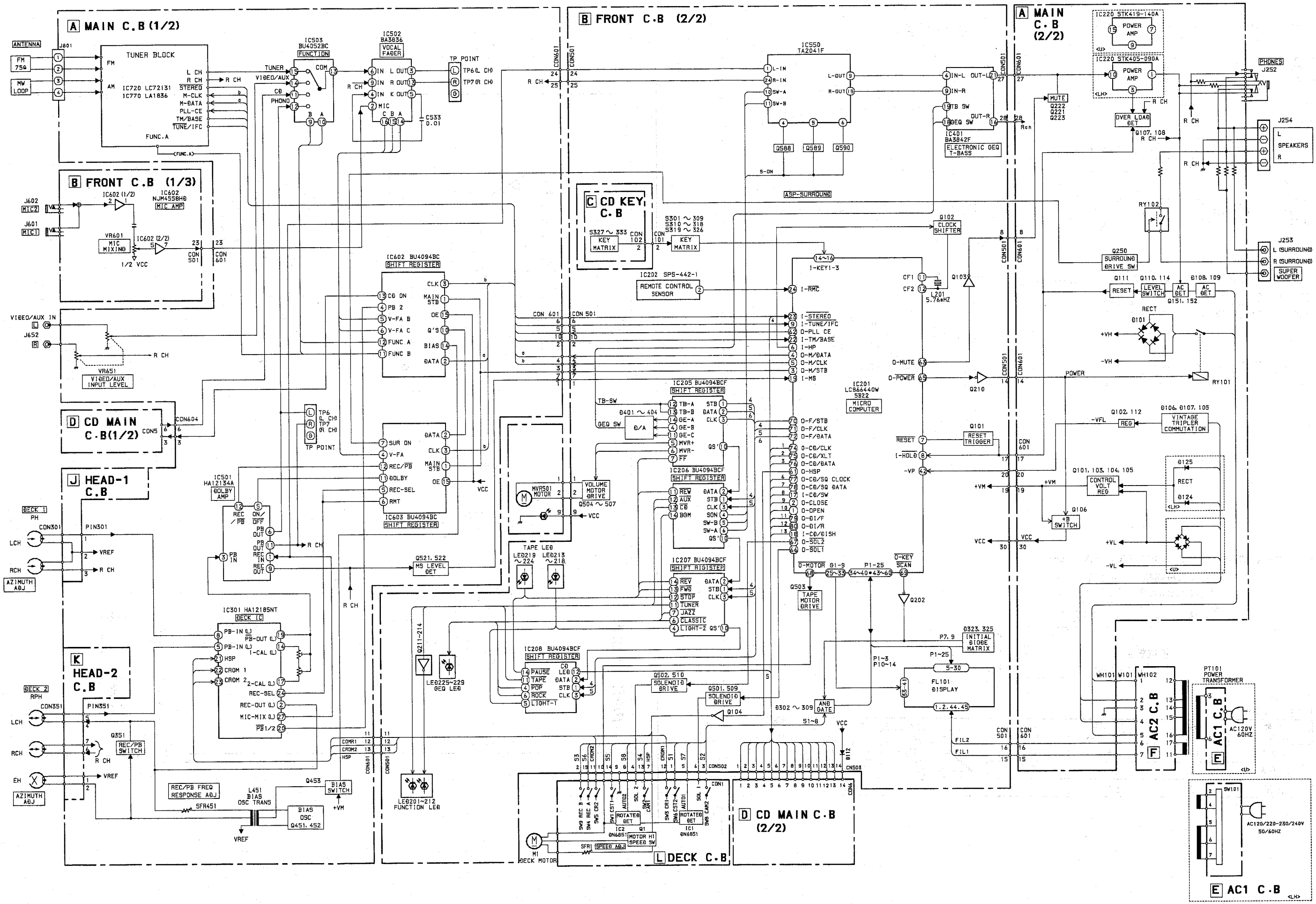
チップ抵抗
Chip resistor

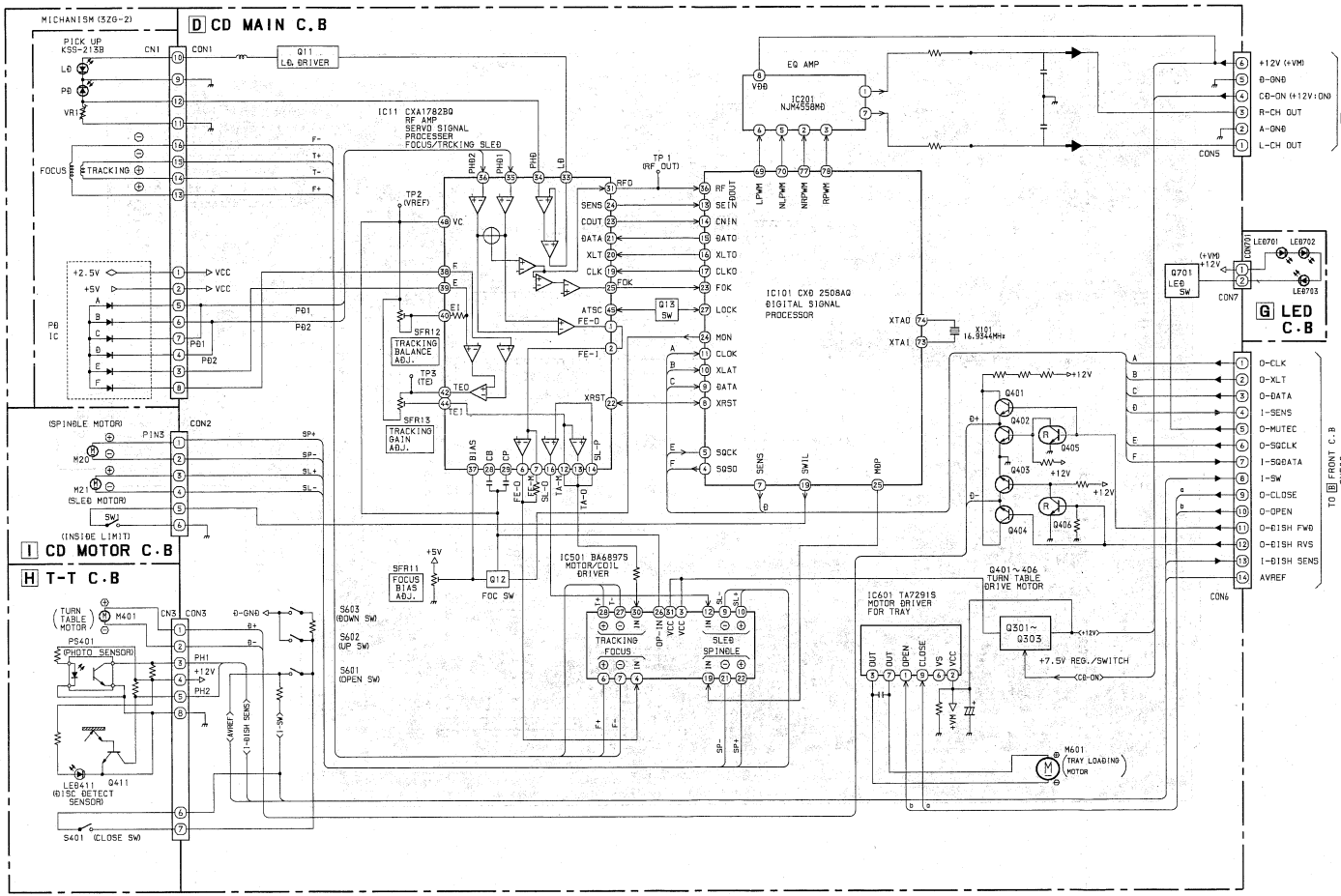
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード Resistor Code : A
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

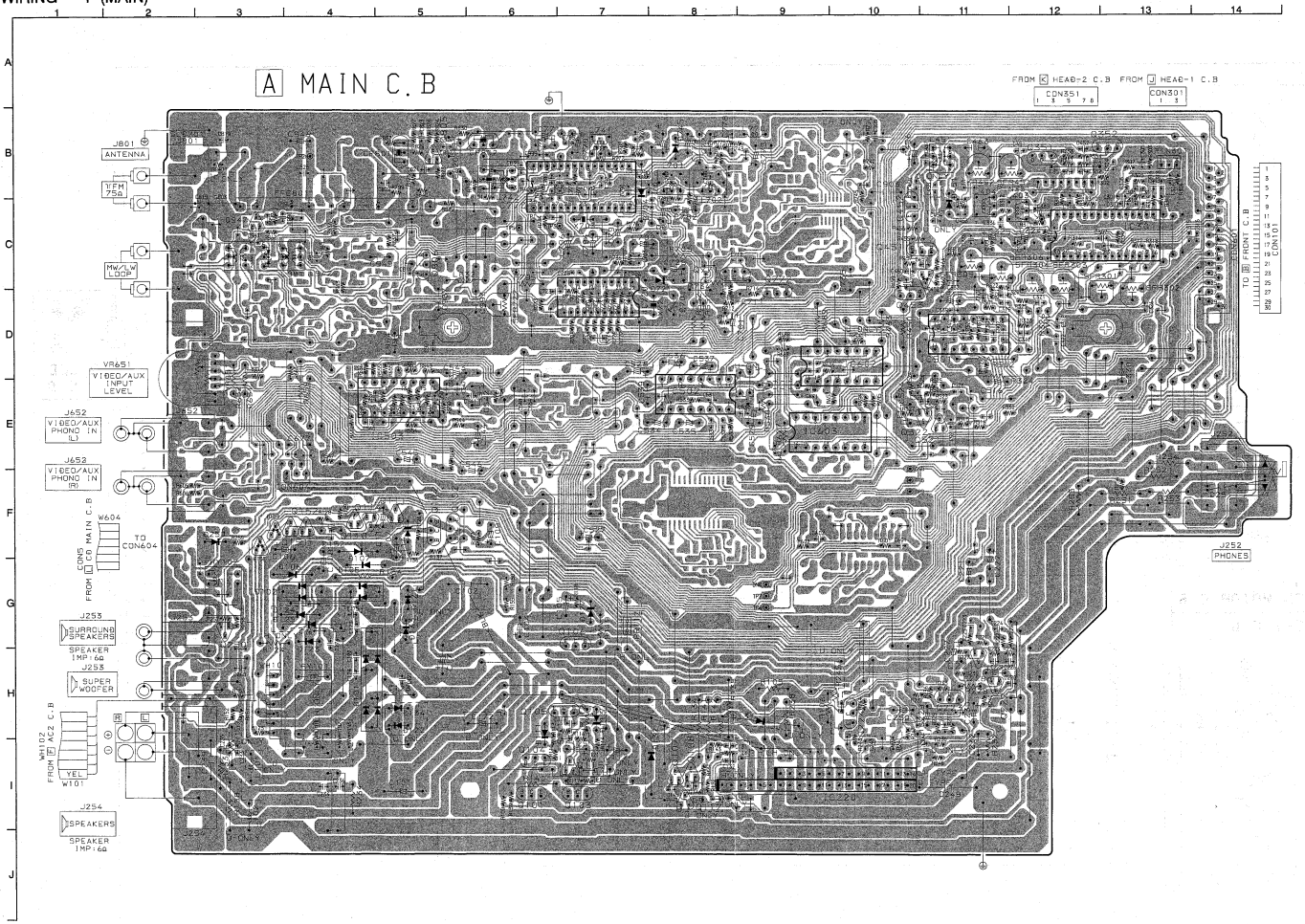
BLOCK DIAGRAM – 1 (TUNER)

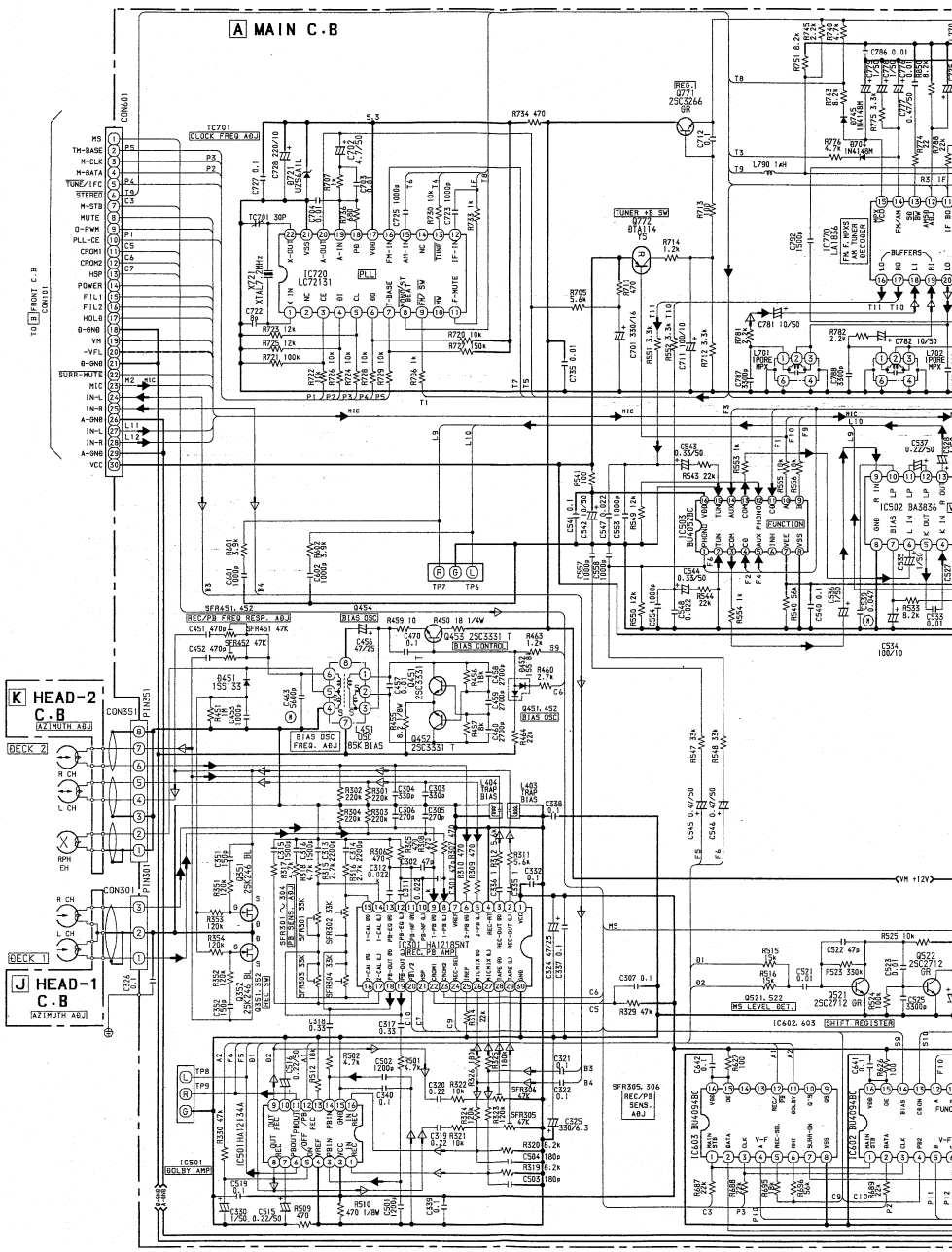


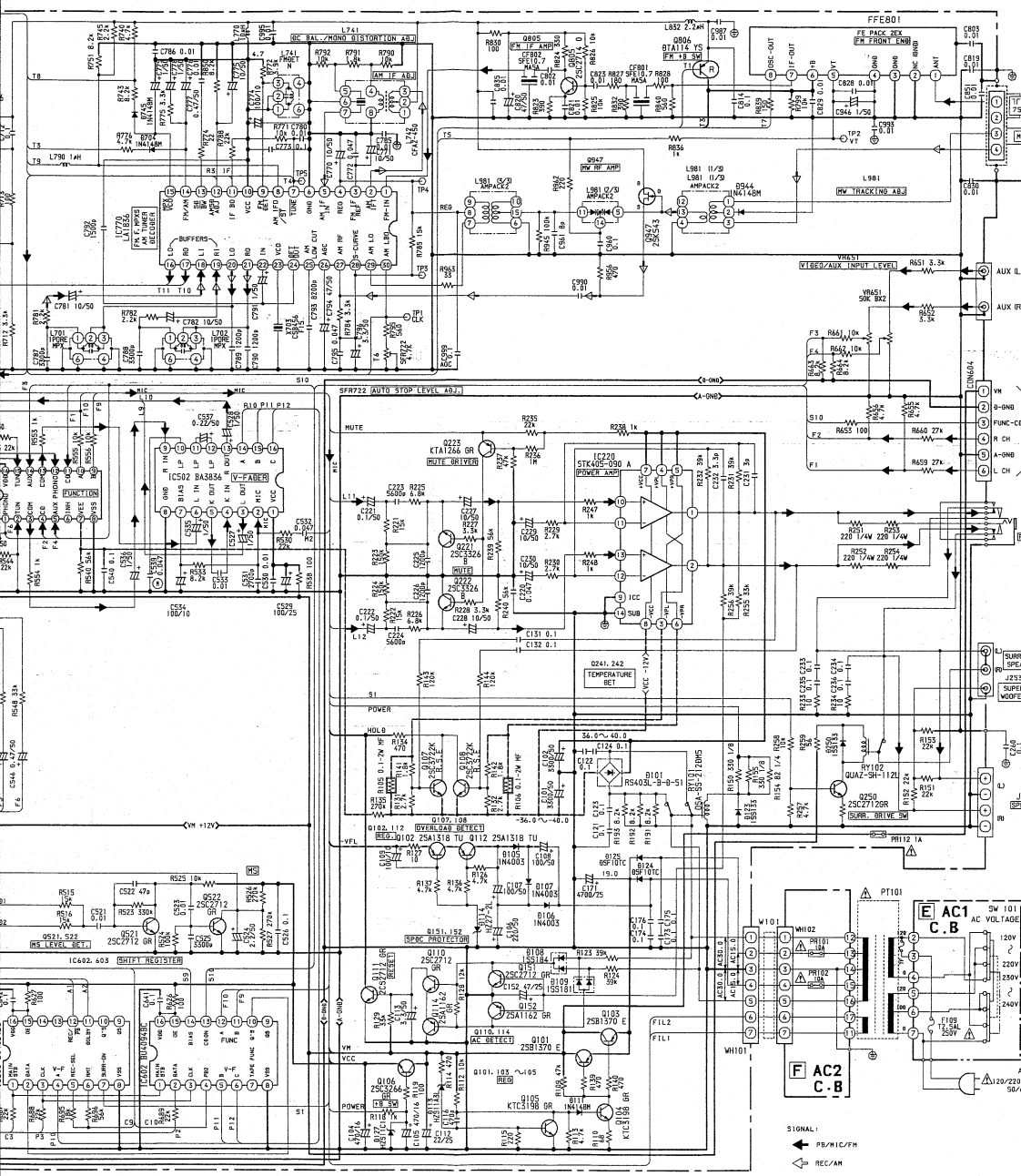
BLOCK DIAGRAM – 2 (MAIN / FRONT)


A MAIN C.B (1/2)
ANTENNA
FM 75Ω
MW LOOP
J801
TUNER BLOCK
IC720 LC72131
IC770 LA1836
IC503 BU4052BC FUNCTION
IC502 BA3836 VOCAL FADER
TP POINT
B FRONT C.B (1/3)
IC602 NJM4558HD MIC AMP
VR601 MIC MIXING
VIDEO/AUX IN
J652
VR651 VIDEO/AUX INPUT LEVEL
D CD MAIN C.B(1/2)
J HEAD-1 C.B
K HEAD-2 C.B
IC602 BU4094BC SHIFT REGISTER
IC603 BU4094BC SHIFT REGISTER
IC501 HA12134A DOLBY AMP
IC301 HA12185NT DECK IC
Q521, 522 MS LEVEL DET
REC/PB FREQ RESPONSE ADJ
L451 BIAS OSC TRANS
BIAS OSC Q451, 452
Q453 BIAS SWITCH
LED201~212 FUNCTION LED
B FRONT C.B (2/2)
IC550 TA2041F
ASP-SURROUND
C CD KEY C.B
KEY MATRIX
IC202 SPS-442-1 REMOTE CONTROL SENSOR
IC401 BA3842F ELECTRONIC GEQ T-BASS
Q102 CLOCK SHIFTER
IC201 LC866440W 5B22 MICRO COMPUTER
IC205 BU4094BCF SHIFT REGISTER
IC206 BU4094BCF SHIFT REGISTER
IC207 BU4094BCF SHIFT RIGISTER
IC208 BU4094BCF SHIFT REGISTER
VOLUME MOTOR DRIVE
TAPE LED
GEQ LED
Q503 TAPE MOTOR DRIVE
Q502, 510 SOLENOID DRIVE
Q501, 509 SOLENOID DRIVE
D323, 325 INITIAL DIODE MATRIX
FL101 DISPLAY
AND GATE
L DECK C.B
D CD MAIN C.B (2/2)
A MAIN C.B (2/2)
IC220 STK419-140A POWER AMP
IC220 STK405-090A POWER AMP
PHONES J252
MUTE Q222 Q221 Q223
OVER LOAD DET
J254 SPEAKERS
J253 L (SURROUND) R (SURROUND) SUPER WOOFER
Q250 SURROUND DRIVE SW
Q111 RESET
Q110, 114 LEVEL SWITCH
D108, 109 AC DET
RY101
RY102
Q101 RESET TRIGGER
Q102, 112 REG
D106, D107, 105 VINTAGE TRIPLER COMMUTATION
Q101, 103, 104, 105 CONTROL VOLT REG
Q106 +B SWITCH
F AC2 C.B
PT101 POWER TRANSFORMER
E AC1 C.B
AC120V 60HZ
AC120/220-230/240V 50/60HZ


MICHANISM (3ZG-2)
D CD MAIN C.B
PICK UP KSS-213B
CN1
CON1
Q11 LD DRIVER
LD
PD
VR1
FOCUS
TRACKING
F-
T+
T-
F+
IC11 CXA1782BQ RF AMP SERVO SIGNAL PROCESSER FOCUS/TRACKING SLED
PH02
PH01
PHD
LD
TP1 (RF OUT)
TP2 (VREF)
VC
RFO
SENS
COUT
DATA
XLT
CLK
FOK
ATSC
FE-O
FE-I
TEO
TE1
SFR12 TRACKING BALANCE ADJ.
TP3 (TE)
SFR13 TRACKING GAIN ADJ.
XRST
EQ AMP
VDD
IC201 NJM4558MD
LPWM
NLPWM
NRPWM
RPWM
IC101 CXD 2508AQ DIGITAL SIGNAL PROCESSOR
RF
SEIN
CNIN
DATO
XLTO
CLKO
FOK
LOCK
MON
CLOK
XLAT
DATA
XRST
SQCK
SQSO
SENS
SWIL
MDP
Q13 SW
XTAO
XTAI
X101 16.9344MHz
+2.5V
+5V
VCC
PB IC
PD1
PD2
(SPINDLE MOTOR)
M20
M21 (SLED MOTOR)
SW1
(INSIDE LIMIT)
CON2
PIN3
SP+
SP-
SL+
SL-
I CD MOTOR C.B
H T-T C.B
BIAS
CB
CP
FE-O
SLED
SL-O
TA-O
SL-P
SFR11 FOCUS BIAS ADJ.
+5V
Q12 FOC SW
IC501 BA6897S MOTOR/COIL DRIVER
TRACKING
FOCUS
SLED
SPINDLE
OP-IN
VCC
VEE
S603 (DOWN SW)
S602 (UP SW)
S601 (OPEN SW)
TURN TABLE MOTOR
M401
CN3
CON3
PS401 PHOTO SENSOR
PH1
PH2
+12V
D-GND
D+
D-
LED411
Q411
(DISC DETECT SENSOR)
S401 (CLOSE SW)
(VREF)
(I-DISH SENS)
Q401
Q402
Q403
Q404
Q405
Q406
+12V
Q401~406 TURN TABLE DRIVE MOTOR
IC601 TA7291S MOTOR DRIVER FOR TRAY
OUT
OPEN
CLOSE
VS
VCC
Q301~ Q303
+7.5V REG./SWITCH
(CD-ON)
M601 (TRAY LOADING MOTOR)
CON5
+12V (+VM)
D-GND
CD-ON (+12V:ON)
R-CH OUT
A-GND
L-CH OUT
TO A MAIN C.B CON511
CON7
LED701
LED702
LED703
Q701 LED SW
(+VM) +12V
G LED C.B
CON6
O-CLK
O-XLT
O-DATA
I-SENS
O-MUTEC
O-SQCLK
I-SQDATA
I-SW
O-CLOSE
O-OPEN
O-DISH FWD
O-DISH RVS
I-DISH SENS
AVREF
TO B FRONT C.B CN502

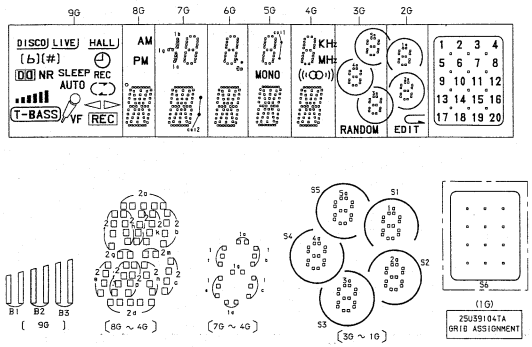

A MAIN C.B
FROM K HEAD-2 C.B
CON351
FROM J HEAD-1 C.B
CON301
J801
ANTENNA
FM 75Ω
MW/LW LOOP
VR651
VIDEO/AUX INPUT LEVEL
J652
VIDEO/AUX PHONO IN (L)
J652
VIDEO/AUX PHONO IN (R)
W604
TO CON604
FROM C MAIN C.B
CON5
J253
SURROUND SPEAKERS
SPEAKER IMP:6Ω
J253
SUPER WOOFER
FROM E AC2 C.B
WH102
YEL
WH01
J254
SPEAKERS
SPEAKER IMP:6Ω
TO B FRONT C.B
CON10
J252
PHONES


A MAIN C.B
K HEAD-2 C.B
AZIMUTH ADJ
J HEAD-1 C.B
AZIMUTH ADJ
DECK 2
DECK 1
CON601
CON351
CON301
IC720 LC72131
IC501 BOLBY AMP
IC602 BU4094BC
IC603 BU4094BC
IC502 BA3836
IC602. 603 SHIFT REGISTER
TUNER +B SW
REC/PB FREQ RESP. ADJ
BIAS OSC FREQ. ADJ
BIAS CONTROL
REC/PB AMP
REC/PB SENS. ADJ
M5 LEVEL SET.
FUNCTION
BUFFERS
CLOCK FREQ ADJ
TO [B] FRONT C.B CON101


FFE801
FE PACK 2EX
FM FRONT END
BC BAL./MONO DISTORTION ADJ
AM IF ADJ
IC502 BA3836 (V-FABER)
IC220 STK405-090 A
POWER AMP
SFR722 AUTO STOP LEVEL ADJ.
MUTE DRIVER
TEMPERATURE DET
OVERLOAD DETECT
SPKR PROTECTION
AC DETECT
SHIFT REGISTER
FM RF AMP
FM IF AMP
AM LOOP ANT
AUX (L)
AUX (R)
SURR. SPEAKER
SUBWOOFER
SURR. DRIVE SW
PT101
AC1 C.B
AC2 C.B
SW 101
AC VOLTAGE
120V
220V
230V
240V
SIGNAL:
PB/MIC/FM
REC/AM

FL GRID ASSIGNMENT & ANODE CONNECTION

GRID ASSIGNMENT



ANODE CONNECTION

	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	T-BASS	2d	2d	2d	2d	2d	RANDOM		20
P2	VF	2j, 2p	2j, 2p	2j, 2p	2j, 2p	2j, 2p	S3		19
P3	B1	2n	2n	2n	2n	2n	3a, 3b		18
P4	B2	2r	2r	2r	2r	2r	3e	EDIT	17
P5	B3	2c	2c	2c	2c	2c	3c		16
P6	AUTO	2e	2e	2e	2e	2e	3g		15
P7	DD NR	2m	2m	2m	2m	2m	3f		14
P8	SLEEP	2g	2g	2g	2g	2g	3b		13
P9	( ) (♭)	2f	2f	2f	2f	2f	4a, 4b	2a, 2b	12
P10	( ) (#)	2b	2b	2b	2b	2b	4e	2e	11
P11	♭ #	2k	2k	2k	2k	2k	4c	2c	10
P12		2h	2h	2h	2h	2h	4g	2g	9
P13		2a	2a	2a	2a	2a	4f	2f	8
P14				–	MONO	–	4b	2b	7
P15			g	–	col (下)	((( )))	1e, 1d		6
P16	REC		b, c	Dp	col(上)	MHz		1e	5
P17			–	–	–	KHz		1c	4
P18	REC	PM	1d	1d	1d	1d	S4	S2	
P19		–	1e	1e	1e	1e	5a, 5b	1g	3
P20	DISCO	–	1c	1c	1c	1c	5e	1f	2
P21	LIVE	AM	1g	1g	1g	1g			1
P22	HALL		1f	1f	1f	1f	5g	1b	S6
P23	DISCO LIVE HALL		1b	1b	1b	1b	5f	S1	
P24	–	–	1a	1a	1a	1a	5b		–
P25	–	–	–	–	–	–	S5		–

TRANSISTOR ILLUSTRATION

2SC3266GR
KTA1266GR
KTC3198GR
2SA1296GR
2SD2172 V/W

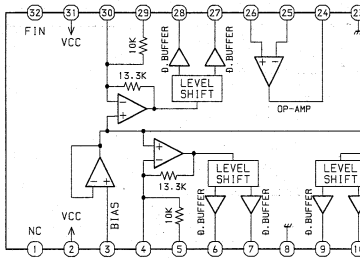
DTA114YS
2SA933S(RS)

2SB1370E

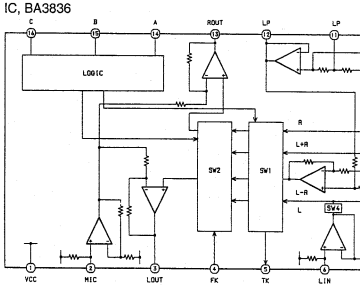
2SK246-BL

IC BLOCK DIAGRAM – 1

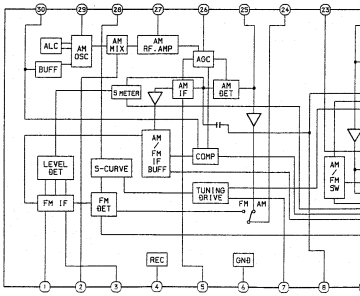
IC, BA6897S



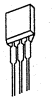
IC, BA3836



IC, LA1836L



TOR ILLUSTRATION



GR
GR
GR
GR
V/W

DTA114YS
2SA933S(RS)

2SA952K
CSD655E
2SA1015GR
2SD655E
2SC2001K
2SA970GR

2SA1162GR DTC143EK
2SC2712GR DTC144WK
2SC2714(O) DTC123JK
2SC3326B DTC143TK
2SC3722K DTC114TK
DTA143EK DTA144EK
DTC144EK DTA114TK
DTC114EK

2SK246-BL

2SC331T
2SA1318
(T/U)

2SK543(4/5)

IC, BA3842F

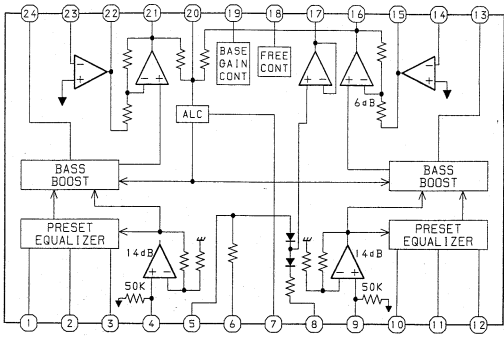
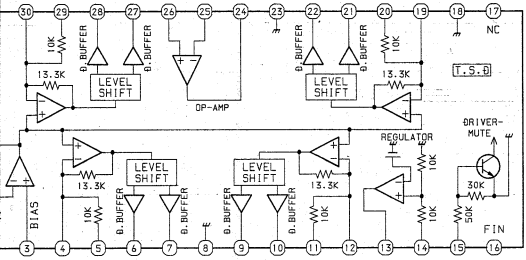
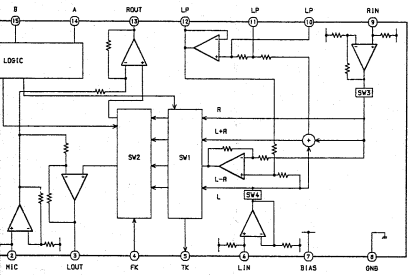
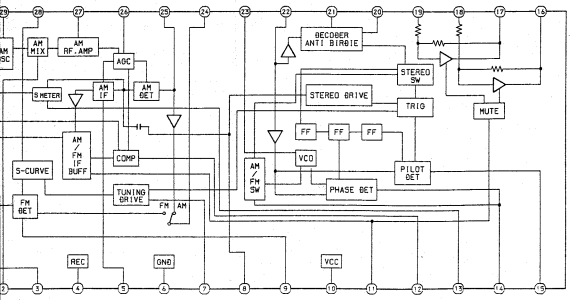


DIAGRAM – 1

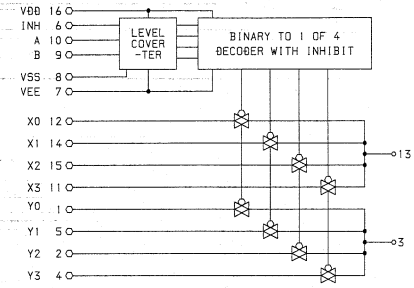


T.S.D: THERMAL SHUT DOWN CIRCUIT
D.BUFFER: DRIVE BUFFER



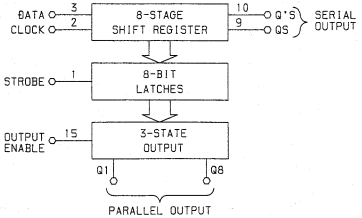


IC, BU4052BC

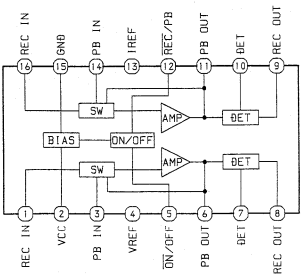


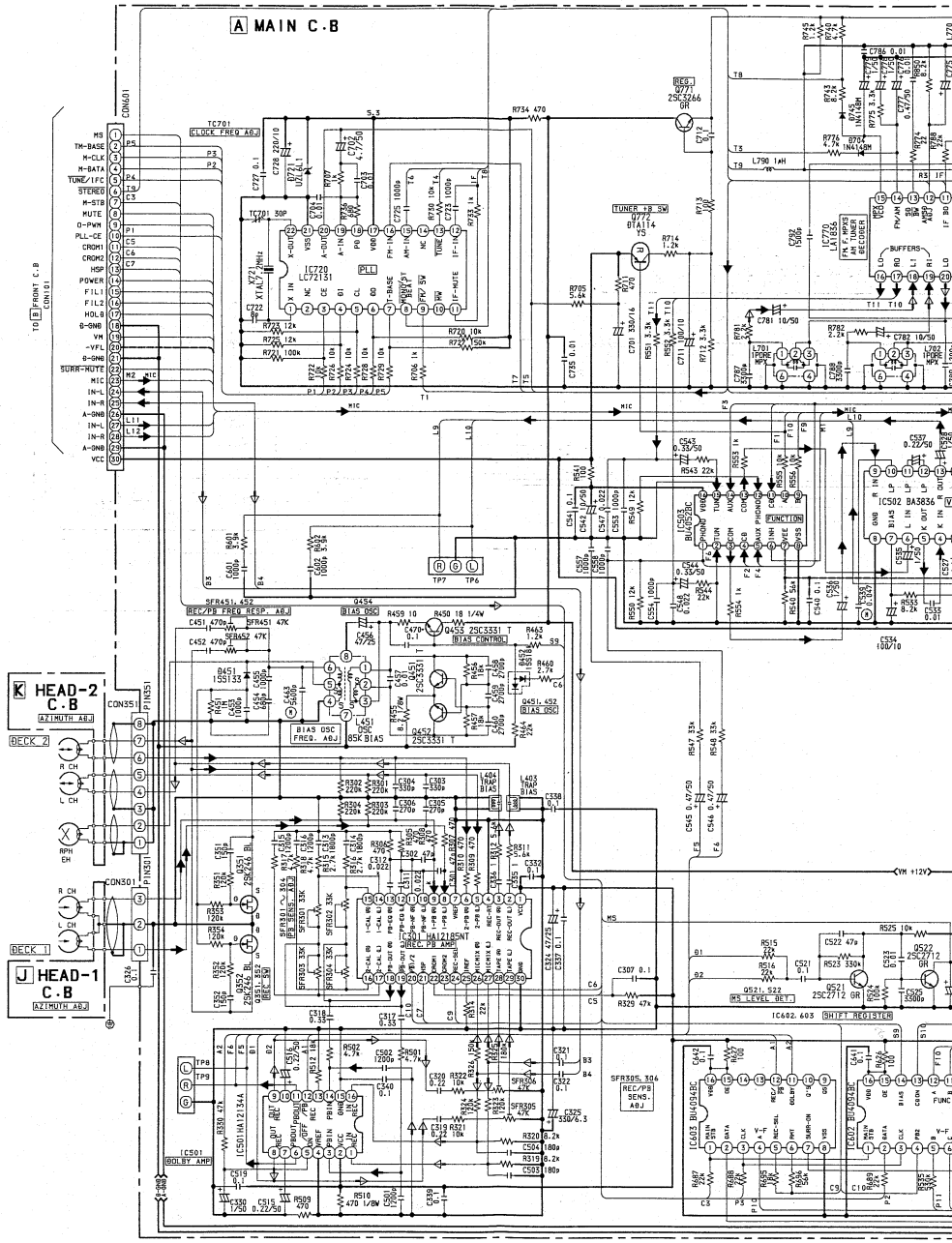
TRUTH TABLE

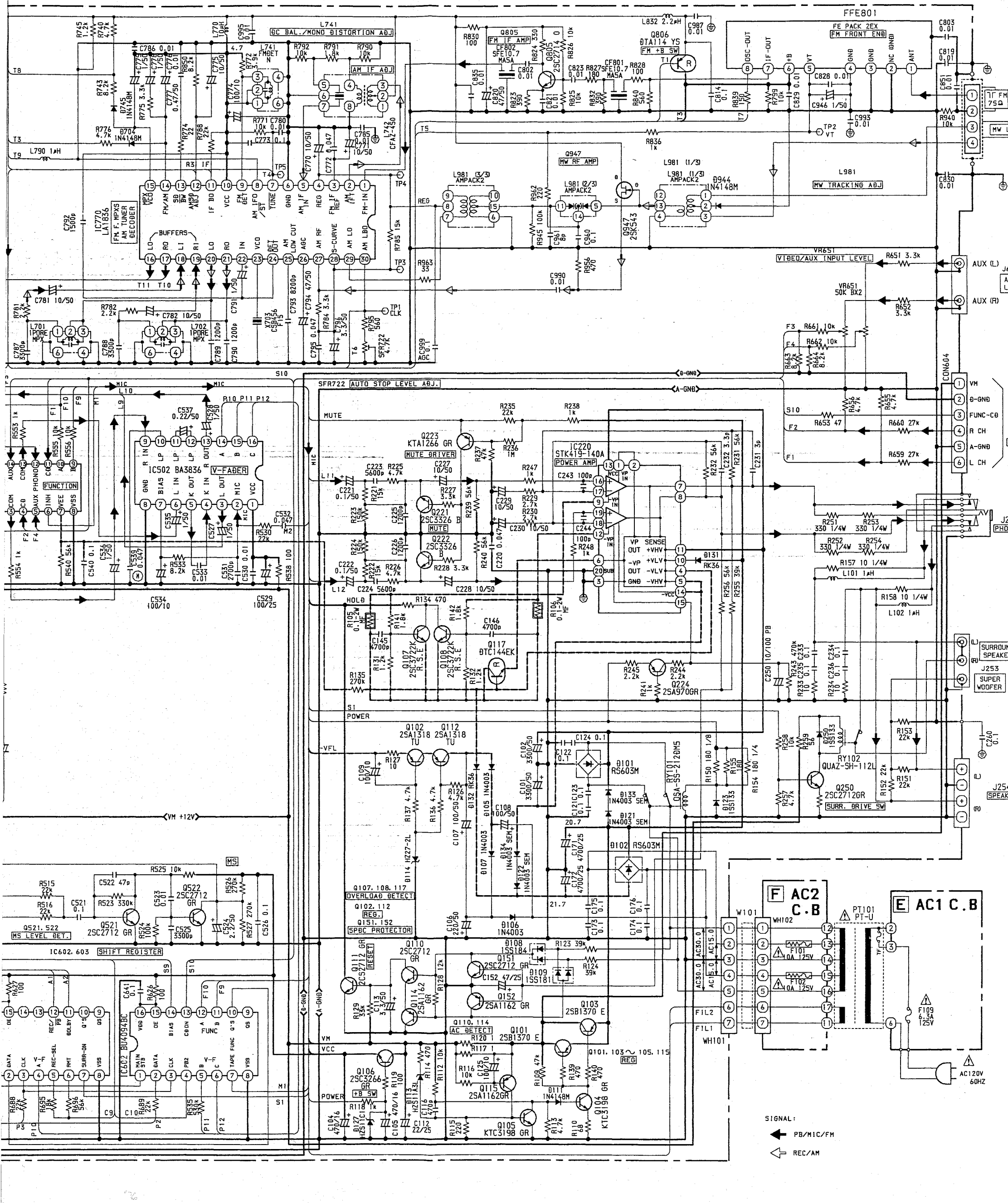
INHIBIT	A	B	ON SWITCH
L	L	L	X0 Y0
L	H	L	X1 Y1
L	L	H	X2 Y2
L	H	H	X3 Y3
H	X	X	NONE



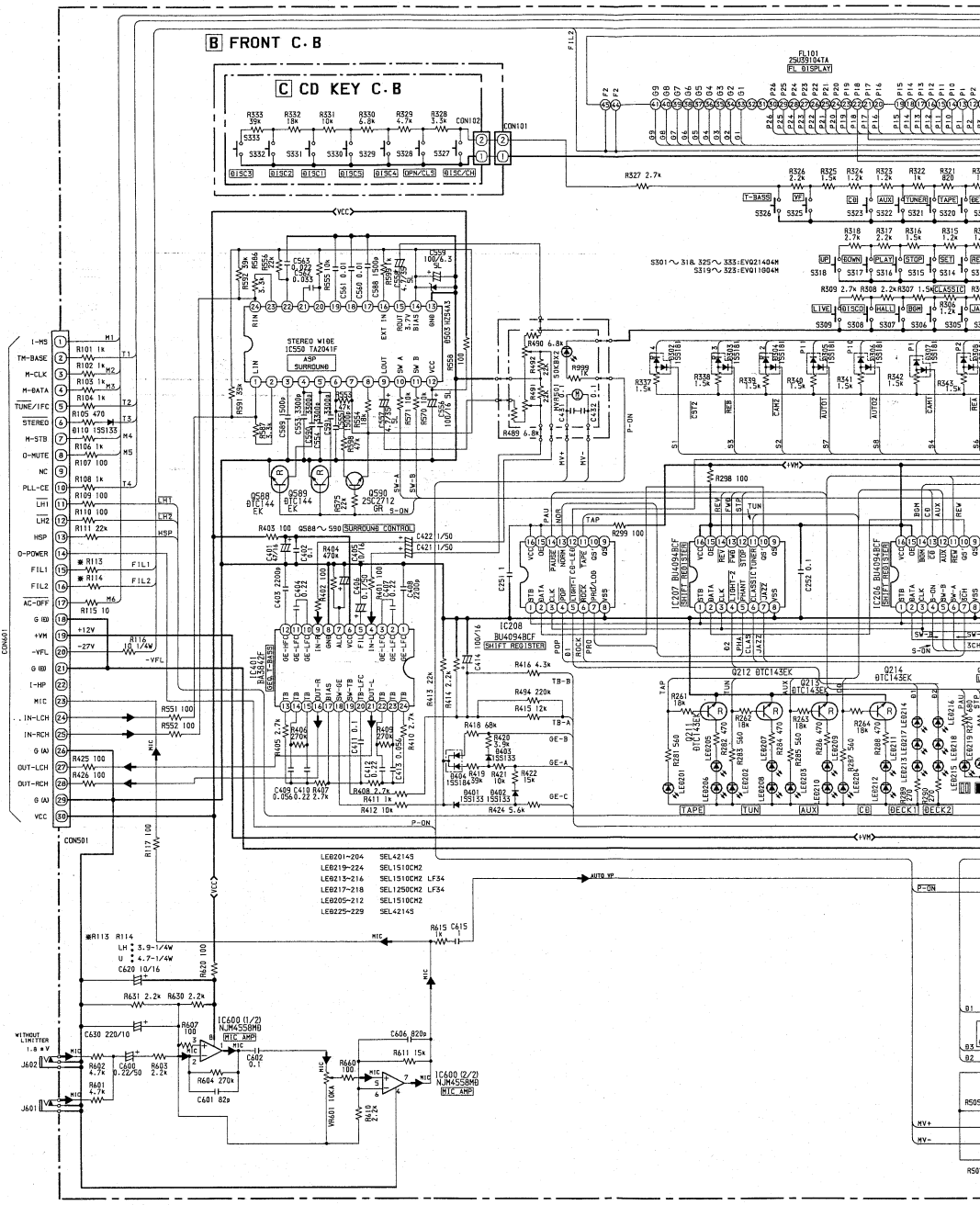
IC, HA12134A




A MAIN C.B
K HEAD-2 C.B
AZIMUTH ADJ.
J HEAD-1 C.B
AZIMUTH ADJ.
CON601
CON351
CON301
DECK 2
DECK 1
TC701 CLOCK FREQ ADJ.
IC720 LC72131
IC501 HA12134A
IC502 BA3836
IC503 BU4053BC
IC602 BU4053BC
IC602 403 SHIFT REGISTER
Q451, 452 BIAS OSC
BIAS OSC FREQ. ADJ
REC/PB FREQ RESP. ADJ
REC/PB SENS. ADJ
REC/PB AMP
REC SW
DOLBY AMP
FUNCTION
TUNER +B SW
MS LEVEL DET.
SHIFT REGISTER



FFE801
FE PACK 2EX
FM FRONT END
L741
DC BAL./MONO DISTORTION ADJ
AM IF ADJ
FM IF AMP
FM +B SW
Q805
Q806
DTA114 YS
IC770
LA1836
FM, F. MPXS
AM TUNER
DECODER
BUFFERS
Q947
MW RF AMP
2SK543
L981
MW TRACKING ADJ
VR651
VIDEO/AUX INPUT LEVEL
AUX (L)
AUX (R)
J652
AUX L/R
J8
ANT
MW LOOP
SFR722 AUTO STOP LEVEL ADJ.
IC502 BA3836
V-FADER
FUNCTION
Q223
KTA1266 GR
MUTE DRIVER
Q221
2SC3326 B
MUTE
Q222
2SC3326
B
IC220
STK419-140A
POWER AMP
CON604
VM
D-GND
FUNC-CD
R CH
A-GND
L CH
FROM D CD MAIN C.B CON5
J252
PHONES
Q117
DTC144EK
Q107
2SC3722K
R.S.E
Q108
2SC3722K
R.S.E
Q224
2SA970GR
SURROUND SPEAKER
J253
SUPER WOOFER
RY102
QUAZ-SH-112L
Q250
2SC2712GR
SURR. DRIVE SW
J254
SPEAKER
RY101
DSA-SS-212DM5
D101
RS603M
D102
RS603M
Q102
2SA1318
TU
Q112
2SA1318
TU
Q107, 108, 117
OVERLOAD DETECT
Q102, 112
REG.
Q151, 152
SPDC PROTECTOR
VM +12V
MS
Q521
2SC2712 GR
Q522
2SC2712
GR
Q521, 522
MS LEVEL DET.
IC602, 603
SHIFT REGISTER
IC602 BU4094BC
Q110
2SC2712
GR
Q111
2SC2712 GR
RESET
Q114
2SA1162
GR
Q151
2SC2712 GR
Q152
2SA1162 GR
Q110, 114
AC DETECT
Q101
2SB1370 E
Q103
2SB1370 E
Q101, 103 ~ 105, 115
REG
Q106
2SC3266
GR
+B SW
Q115
2SA1162GR
Q104
KTC3198 GR
Q105
KTC3198 GR
W101
WH101
WH102
F AC2 C.B
E AC1 C.B
PT101
PT-U
F101
10A 125V
F102
10A 125V
F109
6.3A
125V
AC120V
60HZ
SIGNAL:
PB/MIC/FM
REC/AM


B FRONT C.B
C CD KEY C.B
FL101
25U5904TA
FL DISPLAY
CON101
CON102
CON501
IC550 TA2041F
STEREO WIDE
ASP
SURROUND
IC208
BU4094BCF
SHIFT REGISTER
IC207 BU4094BCF
IC206 BU4094BCF
IC401 NJM4558MD
MIC AMP
IC400 (1/2) NJM4558MD
IC400 (2/2) NJM4558MD
Q212 DTC143EK
Q213 DTC143EK
Q214 DTC143EK
Q215 DTC143EK
Q216 DTC143EK
Q588 BTC144 EK
Q589 BTC144 EK
Q590 2SC2712 GR
SURROUND CONTROL
S-ON
P-ON
AUTO YP
TAPE
TUN
AUX
CD
DECK1
DECK2
WITHOUT LIMITTER
J601
J602
VR601 10KA
R617 100
R615 C615
C620 10/16
R620 100
R631 2.2k
R630 2.2k
C630 220/10
R607 100
C606 820p
R611 15k
R660 100
C602 0.1
R604 270k
C601 82p
R603 2.2k
R602 4.7k
C600 0.22/50
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R610 2.7k
R609 270k
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R416 4.3k
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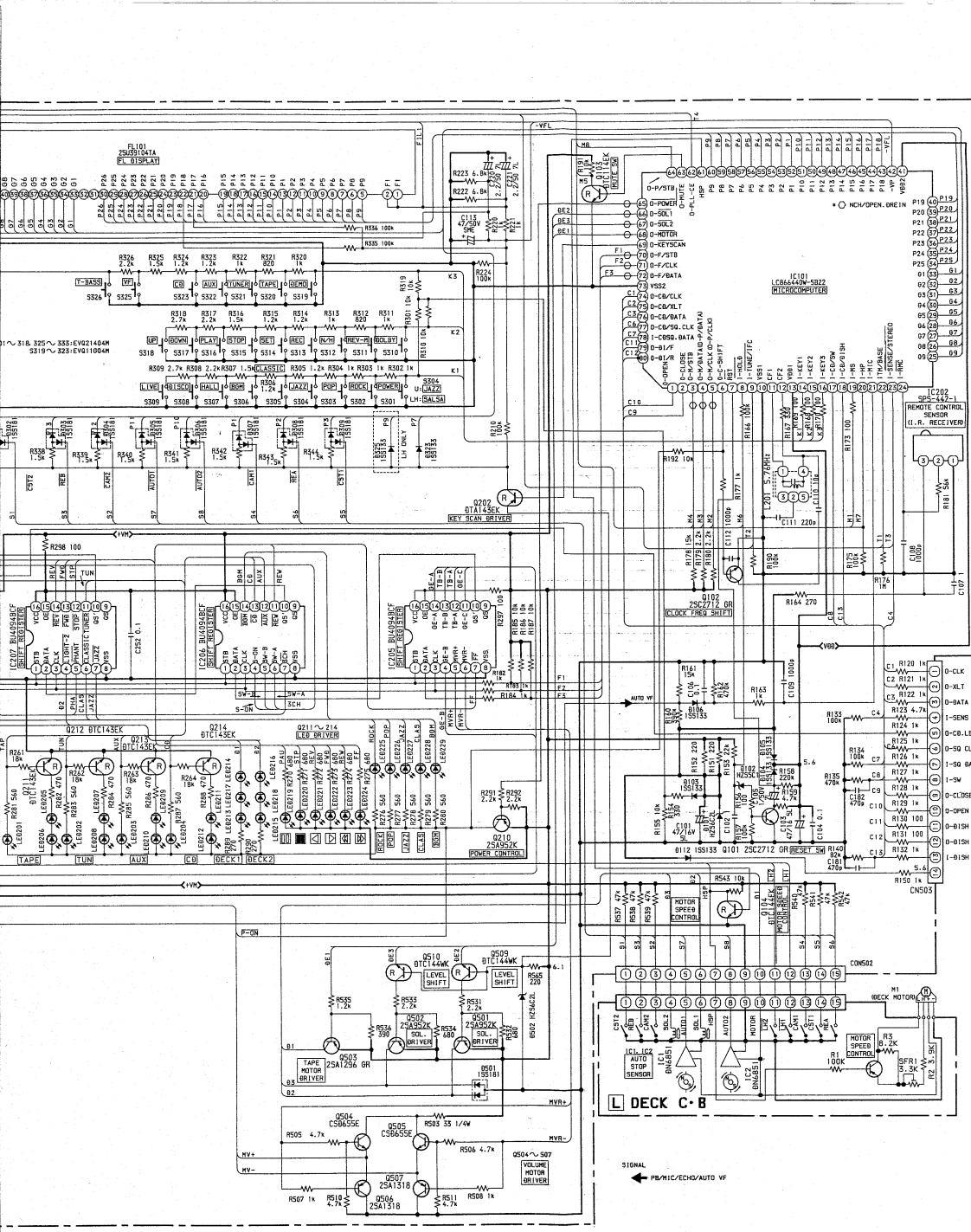
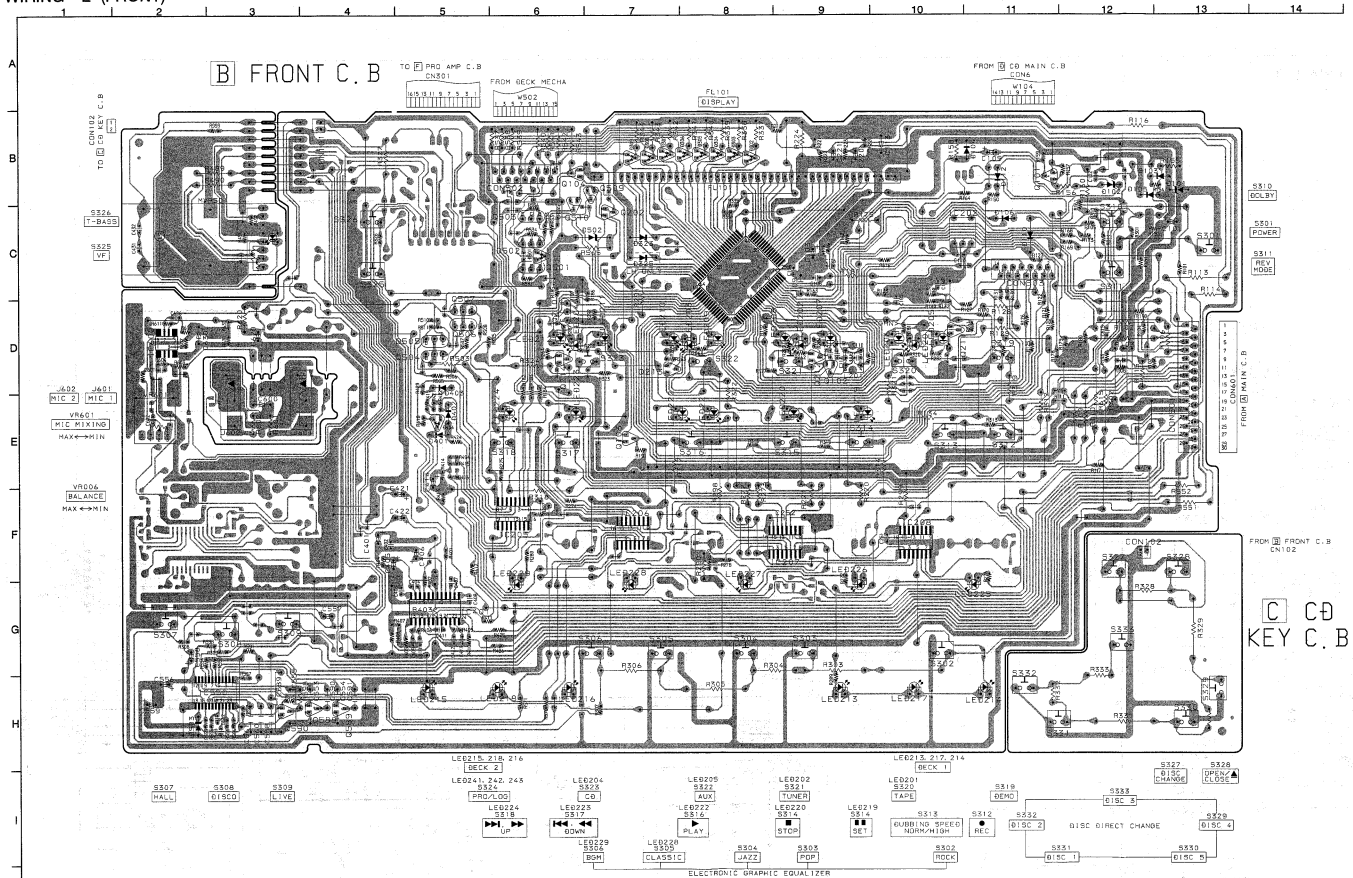
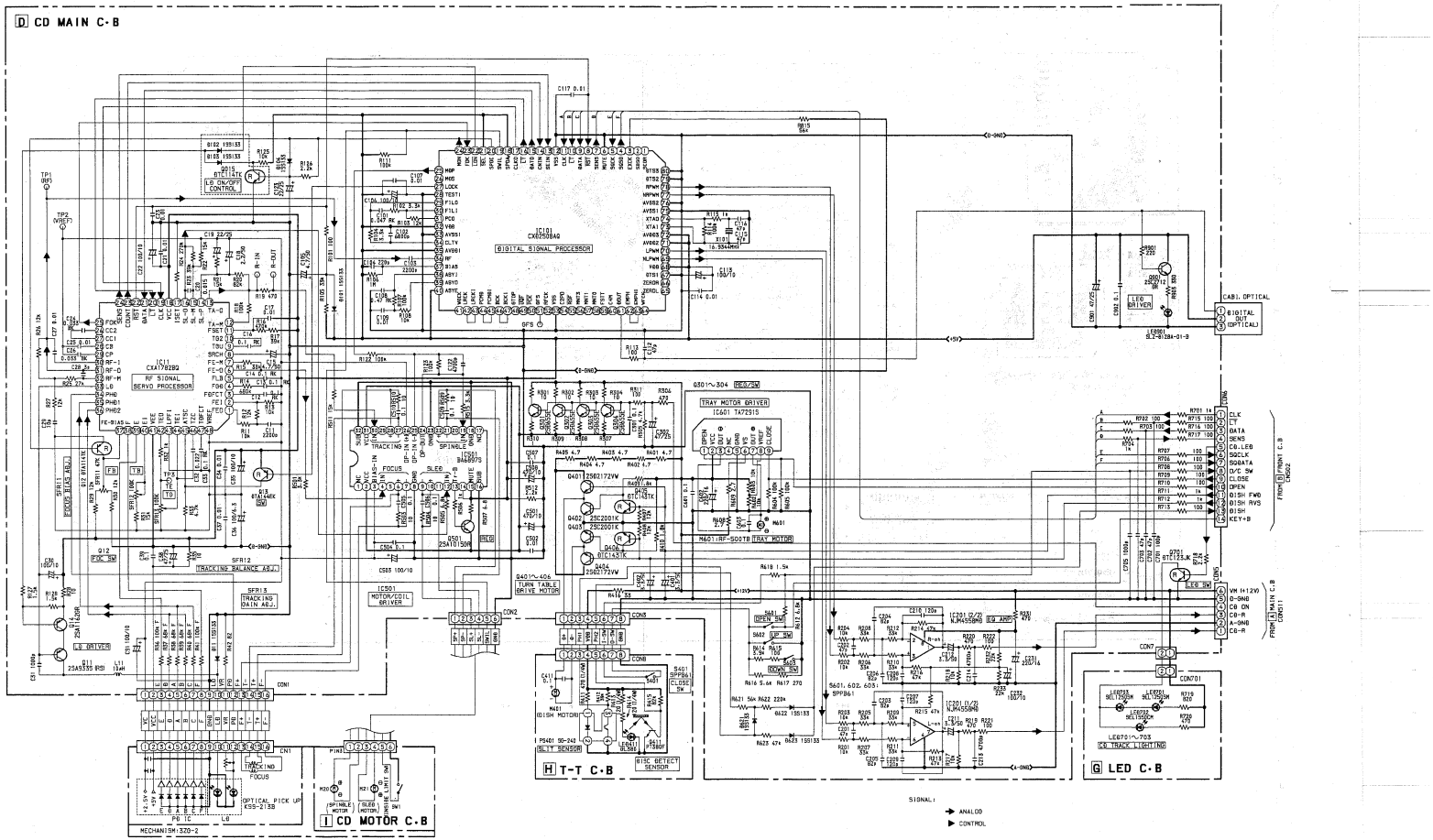
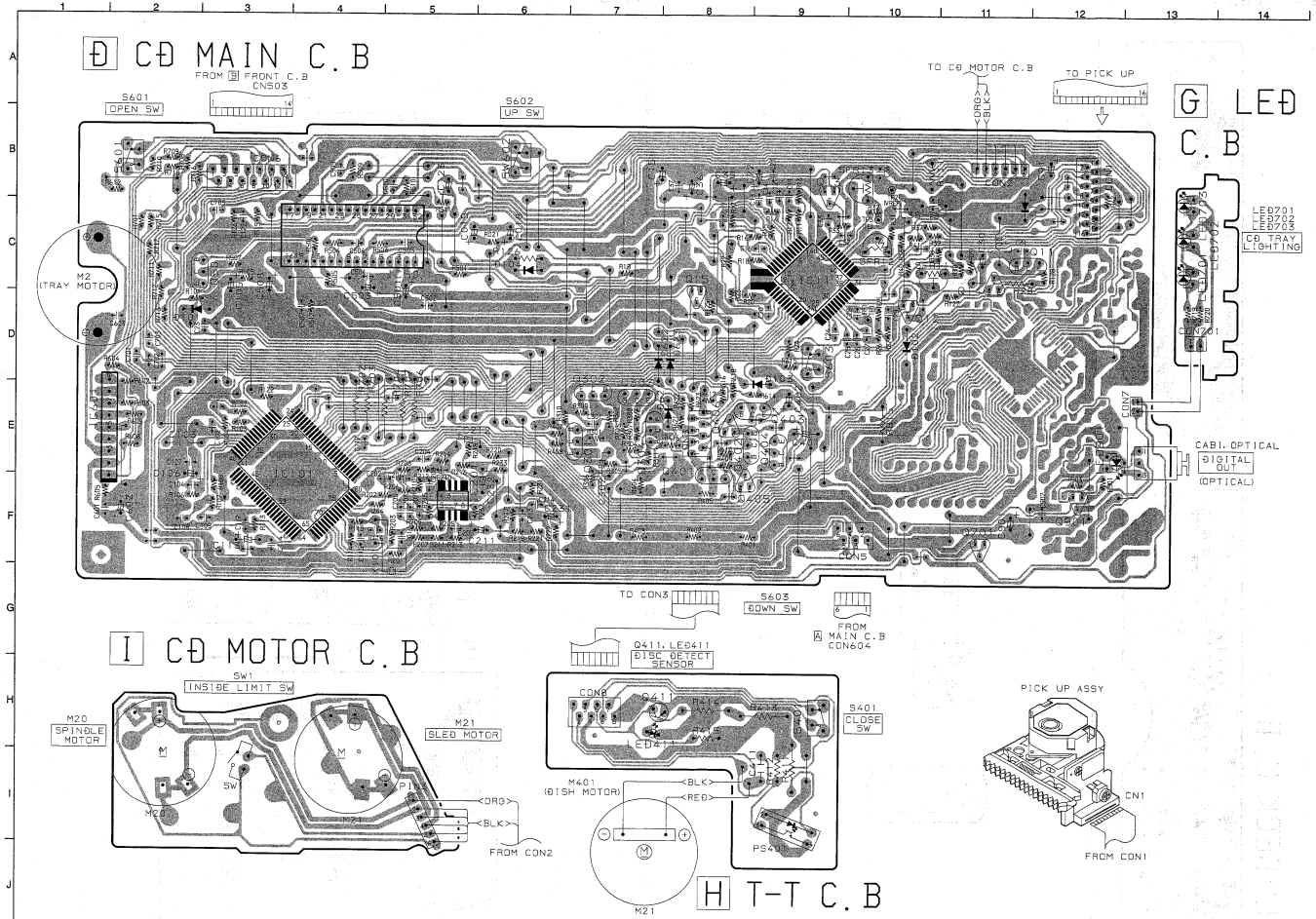
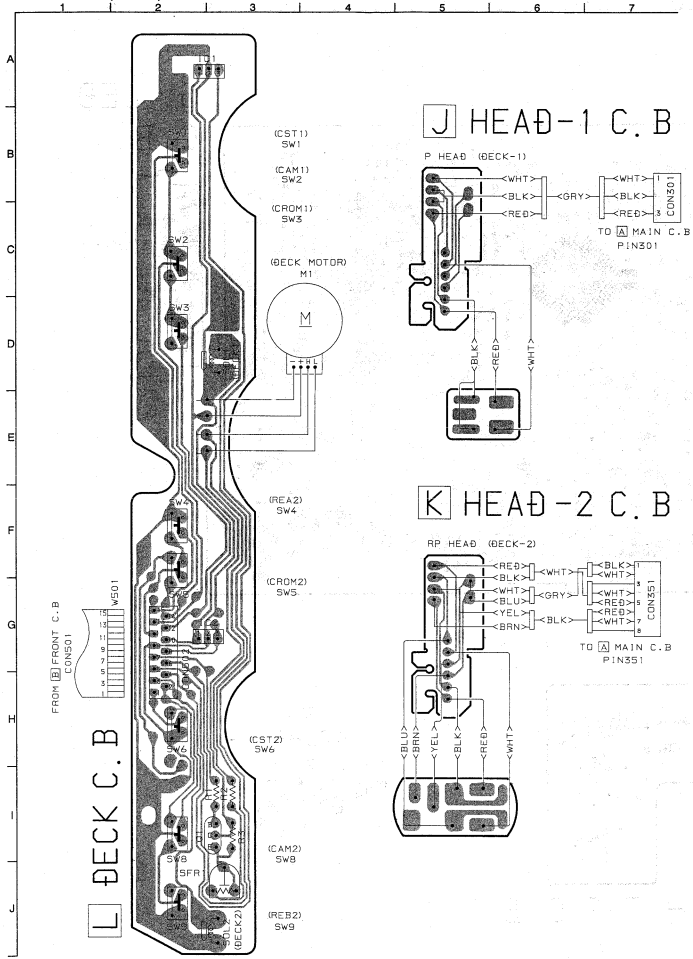

IC101
LC866440W-5B22
MICROCOMPUTER
IC202
SPS-422-1
REMOTE CONTROL SENSOR
(I.R. RECEIVER)
IC207 BU4094BCF
SHIFT REGISTER
IC206 BU4094BCF
SHIFT REGISTER
IC205 BU4094BCF
SHIFT REGISTER
Q202
DTA143EK
KEY SCAN DRIVER
Q102
2SC2712 GR
CLOCK FREQ SHIFT
Q212 DTC143EK
Q213 DTC143EK
Q214 DTC143EK
Q211~214
LED DRIVER
Q210
2SA952K
POWER CONTROL
Q509
DTC144WK
LEVEL SHIFT
Q510
DTC144WK
LEVEL SHIFT
Q503
2SA1296 GR
TAPE MOTOR DRIVER
Q502
2SA952K
SOL. DRIVER
Q511
2SA952K
SOL. DRIVER
Q504~507
VOLUME MOTOR DRIVER
Q506
2SA1318
Q507
2SA1318
Q504
C5986/5E
Q505
C5986/5E
IC1 IC2
BN6851
AUTO STOP SENSOR
M1
MOTOR SPEED CONTROL
M2
MOTOR SPEED CONTROL
CN503
CON502
DECK C·B
SIGNAL
PB/MIC/ECHO/AUTO VF
F-ON
VM
VDD
TAPE
TUN
AUX
CD
DECK1
DECK2


B FRONT C. B
TO F PRO AMP C.B
CN301
FROM DECK MECHA
W502
CL101
DISPLAY
FROM G CD MAIN C.B
CON6
W104
CON102
TO G CD KEY C.B
S326
T-BASS
S325
VF
J602
MIC 2
J601
MIC 1
VR601
MIC MIXING
MAX←→MIN
VR606
BALANCE
MAX←→MIN
S310
DOLBY
S301
POWER
S311
REV MODE
CON101
FROM A MAIN C.B
FROM H FRONT C.B
CN102
C CD KEY C.B
LED215, 218, 216
DECK 2
LED213, 217, 214
DECK 1
S307
HALL
S308
DISCO
S309
LIVE
LED241, 242, 243
S324
PRO/LOG
LED204
S325
CD
LED205
S322
AUX
LED202
S321
TUNER
LED201
S320
TAPE
S319
DEMO
S327
DISC CHANGE
S328
OPEN/CLOSE
LED224
S318
UP
LED223
S317
DOWN
LED222
S316
PLAY
LED220
S314
STOP
LED219
S314
SET
S313
DUBBING SPEED NORM/HIGH
S312
REC
S332
DISC 2
S333
DISC 3
S329
DISC 4
S331
DISC 1
S330
DISC 5
DISC DIRECT CHANGE
LED229
S306
BGM
LED228
S305
CLASSIC
S304
JAZZ
S303
POP
S302
ROCK
ELECTRONIC GRAPHIC EQUALIZER

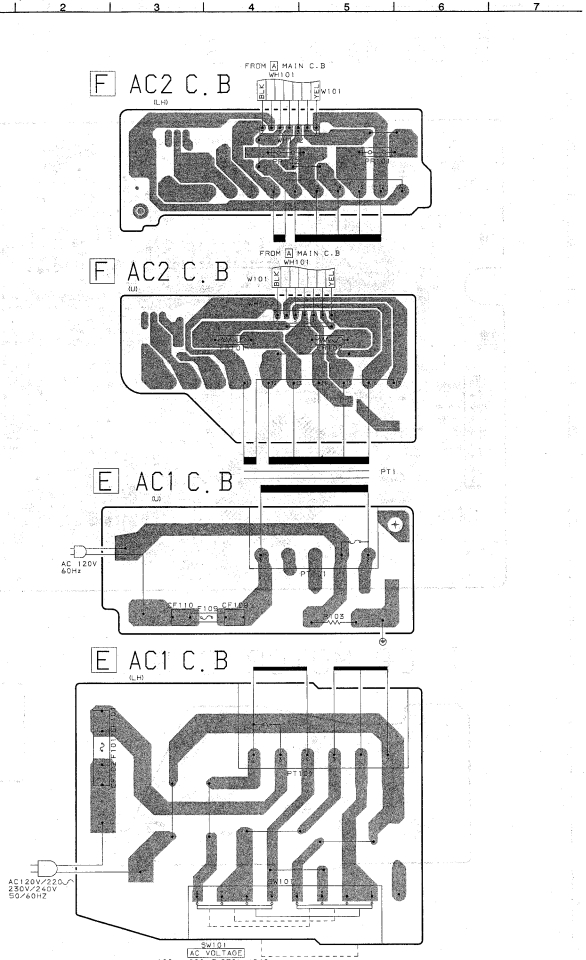

D CD MAIN C-B
IC101
CXD2500AQ
DIGITAL SIGNAL PROCESSOR
IC1
CXA1782BQ
RF SIGNAL
SERVO PROCESSOR
IC501
MOTOR/COIL
DRIVER
TRAY MOTOR DRIVER
IC601 TA72515
M601:RF-S007B TRAY MOTOR
IC701
NJM4558MD
EQ AMP
IC301,IC302
NJM4558MD
CABL OPTICAL
DIGITAL OUT (OPTICAL)
LED DRIVER
LED SW
CD TRACK LIGHTING
H T-T C-B
G LED C-B
I CD MOTOR C-B
MECHANISM:320-2
OPTICAL PICK UP
KSS-213B
SPINDLE MOTOR
SLED MOTOR
DISC DETECT SENSOR
SLIT SENSOR
TRACKING BALANCE ADJ.
FOCUS BIAS ADJ.
TRACKING GAIN ADJ.
SIGNAL:
ANALOG
CONTROL


Đ CĐ MAIN C.B
FROM B FRONT C.B
CN503
S601
OPEN SW
S602
UP SW
TO CĐ MOTOR C.B
ORG
BLK
TO PICK UP
G LEĐ C.B
LED701
LED702
LED703
CĐ TRAY LIGHTING
CN701
M2
(TRAY MOTOR)
CABI. OPTICAL
DIGITAL OUT
(OPTICAL)
CON5
TO CON3
S603
DOWN SW
FROM
A MAIN C.B
CON604
I CĐ MOTOR C.B
SW1
INSIĐE LIMIT SW
M20
SPINĐLE MOTOR
M21
SLED MOTOR
Q411, LED411
ĐISC ĐETECT SENSOR
CON2
S401
CLOSE SW
M401
(ĐISH MOTOR)
BLK
RED
PS401
PICK UP ASSY
CN1
FROM CON1
FROM CON2
H T-T C.B

WIRING – 4 (DECK)

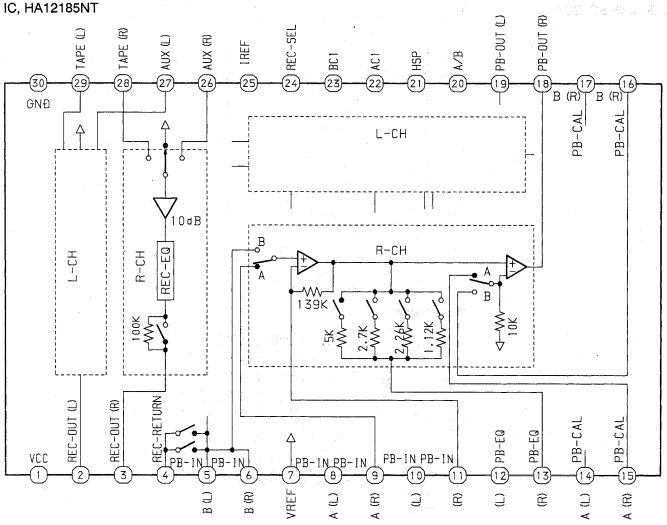


WIRING – 5 (PT)

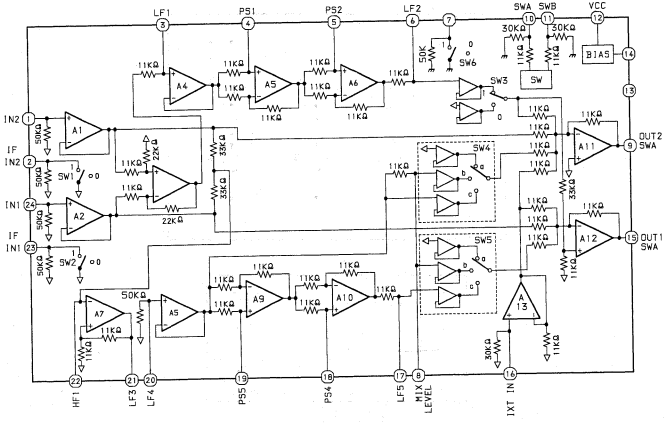


IC BLOCK DIAGRAM – 2

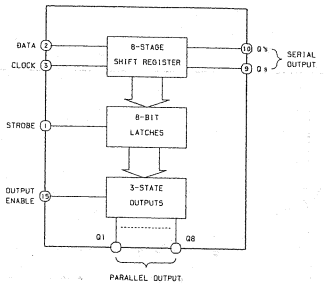
IC, HA12185NT



IC, TA2041F



IC, BU4094BC, BCF

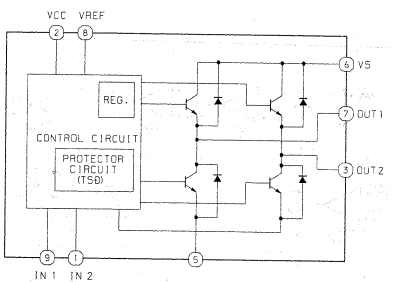


TRUTH TABLE

CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Qs	Q'8
↓	L	X	X	Z	Z	Q7	NO Chg.
↑	L	X	X	Z	Z	No Chg.	Qs
↓	H	L	X	No Chg.	No Chg.	Q7	No Chg.
↓	H	H	L	L	Qn-1	Q7	No Chg.
↓	H	H	H	H	Qn-1	Q7	No Chg.
↑	H	X	X	No Chg.	No Chg.	No Chg.	Qs

Z=High Impedance
X=Don't Care

IC, TA291S



INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	∞	∞	STOP
1	0	H	L	CW
0	1	L	H	CCW
1	1	L	L	BRAKE

∞ : HI IMPEDANCE
NOTE : INPUT "H" ACTIVE

IC DESCRIPTION

IC, LC866440W-5B22

Pin No.	Pin Name	I/O	Description
1	O-OPEN	O	CD tray open output.
2	O-CLOSE	O	CD tray close output.
3	O-STB(M)	O	Main C.B shift register strobe output.
4	O-DATA(M)	O	Main C.B shift register data output.
5	O-CLK(M)/O-P/CLK	O	Main C.B shift register clock output/Pro logic transfer CLK output.
6	O-C-SHIFT	O	System clock shift output ON/OFF.
7	RST	I	Micon reset pin.
8	I-HOLD	I	Power failure detector input.Hold at "L".Input data P74 is 1 at "L".
9	I-TUNE/IFC	I	Tuner SD detection input / IF count sirial data input.
10	VSS1	–	D-GND.
11,12	CF1,CF2	–	5.76MHz clock oscillator input.
13	VDD1	–	Power supply terminal (+5.6V).
14	I-KEY1	I	Key matrix 1 input.
15	I-KEY2	I	Key matrix 2 input
16	I-KEY3	I	Key matrix 3 input.
17	I-CD/SW	I	CD switch position,Tray open/close detect in (A/D).
18	I-CD/DISH	I	A/D CD turnable potential detected input.(Slit/ Disc Detect Sensor)
19	I-MS	I	Tape/MS detection input.
20	I-HP	I	Head phone detection input low active at PRO/LOGIC mode.
21	I-MIC	I	Auto vocal fader/Mic level AD input.
22	I-TM BASE	I	Reference clock input for PLL IC (8/50/60 Hz).
23	I-SENSE/STEREO	I	CD sense input/Stereo input (active low).
24	I-RMC	I	Remote control input (active low).
25~33	G9~G1	O	FL grid output (G9~G1).
34~40	P25~P19	O	FL segment output (P25~P19).
41	VDD2	–	Power supply terminal (+5.6V).
42	-VP	–	-VFL.
43~45	P18~P16	O	FL segment output (P18~P16).
46	P15	I	FL segment P15/PRO LOGIC selected input.
47	P14	I	FL segment P14/Tape2 cassette input.
48	P13	I	FL segment P13/Enable Tape2 side B rec sw input.
49	P12	I	FL segment P12/Tape2cam sw input.
50	P11	I	FL segment P11/Tape1 auto stop input.
51	P10	I	FL segment P10/Tape1 cam sw input.
52	P1	I	FL segment P1/Tape2 auto stop input.
53	P2	I	FL segment P2/Tape1 cassette in sw input.
54	P3	I	FL segment P3/Enable Tape1 side A rec sw input.
55	P4	I	FL segment P4/Surround unselected input.
56	P5	I	FL segment P5/LW selected input.
57	P6	I	FL segment P6/Keycon selected input.
58	P7	I	FL segment P7/AM10K-Stereo selected input.
59	P8	O	FL segment P8/AM-stereo selected input.
60	P9	O	FL segment P9/SALSA-MODE selected input.
61	HSP	O	Tape high speed control output.
62	O-PLL/CE	O	PLL IC chip enable output.
63	O-MUTE	O	Audio-mute (ON/OFF)
64	O-P/STB	O	PRO LOGIC chip enable output.
65	O-POWER	O	Power supply ON/OFF output.
66	O-SOL1	O	Tape1 solenoid ON/OFF output.
67	O-SOL2	O	Tape2 solenoid ON/OFF output.

Pin No.	Pin Name	I/O	Description
68	O-MOTOR	O	Tape motor ON/OFF output.
69	O-KEYSCAN	O	Segment Input enable output(active low).
70	O-STB(F)	O	Front C.B shift register strobe output.
71	O-CLK(F)	O	Front C.B shift register clock output.
72	O-DATA(F)	O	Front C.B shift register data output.
73	VSS2	—	D-GND.
74	O-CLK(CD)	O	CD control transfer clock output.
75	O-XLT(CD)	O	CD control latch output.
76	O-DATA(CD)	O	CLK control data output.
77	O-SQCK (CD)	O	CLK output for SUBQ/DATA input.
78	I-SQDATA (CD)	I	CD SUBQ/DATA input.
79	O-DI/F(CD)	O	CD turn table positive rotation output.
80	O-DI/R	O	CD turn table negative rotation output.

IC, LC72131D

Pin No.	Pin Name	I/O	Description
1	XIN	–	A crystal oscillator (7.2MHz) is connected between these pins.
22	XOUT		
2	NC	–	Not connected.
3	CE	I	To enable the IC. Active "H".
4	DI	I	Digital data input from CPU (LC866440W-5B22) when relevant key is operated. Active "H".
5	CL	I	To clock in the data input.
6	DO	O	Digital data output to CPU (LC866440W-5B22).
7	T-BASE	O	Outputs a reference clock signal (8Hz) for the clock.
8	$\overline{\text{MONO}}$ / ST BEAT	O	Outputs "H" when MONO / BEAT is switched.
9	$\overline{\text{FM}}$ / $\overline{\text{SW}}$	O	Output "L" or "H" as follows: 2 BAND: AM H, FM L 3 BAND: LW H, MW H, FM L 3 BAND: MW H, SW L, FM L
10	$\overline{\text{MW}}$	O	Outputs "L" or "H" as follows: 2 BAND: AM L, FM L 3 BAND: LW H, MW L, FM L 3 BAND: MW L, SW H, FM L
11	IF-MUTE	O	To control internal counter.
12	IF-IN	I	General purpose counter input.
13	$\overline{\text{TUNE}}$	I	Receives "L" when station is tuned.
14	NC	–	Not connected.
15	AM-IN	I	Receives the AM local oscillator frequency signal.
16	FM-IN	I	Receives the FM local oscillator frequency signal.
17	VDD	–	Supply power to IC (+5V).
18	PD	O	PLL charge pump output.
19	A-IN	I	The MOS transistor for PLL active low pass filter.
20	A-OUT	O	
21	VSS	–	Ground.

IC, CXD2508AQ

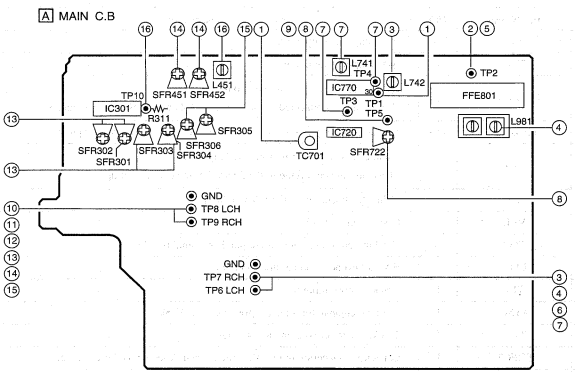
Pin No.	Pin Name	I/O	Description
1	SCOR	O	Outputs high signal when either subcode sync S0 or S1 is detected. (Not used)
2	SBSO	O	SUB P to W serial output. (Not used)
3	EXCK	I	SBSO readout clock input. (Connected to VSS)
4	SQSO	O	SUBQ 80-bit serial output.
5	SQCK	I	SQSO readout clock input.
6	MUTE	I	High to mute. Low to cancel. (Connected to GND)
7	SENS	O	SENS signal output to main CPU.
8	XRST	I	System reset. Reset when low.
9	DATA	I	Serial data input from main CPU.
10	XLT	I	Latch input from main CPU. Serial data is latched at the falling edge.
11	CLK	I	Serial data transfer clock input from main CPU.
12	VSS	–	GND.
13	SEIN	I	Sense input from SSP (CXA1782BQ).
14	CNIN	I	Track jump count signal input.
15	DATO	O	Serial data output to SSP (CXA1782BQ).
16	XLTO	O	Serial data latch output to SSP (CXA1782BQ). Latched at the falling edge.
17	CLKO	O	Serial data transfer clock output to SSP (CXA1782BQ).
18	SPOA	I	Microcomputer extended interface (input A).
19	SWIL	I	Microcomputer extended interface (input B). (Connected to SW1)
20	SPOC	I	Microcomputer extended interface (input C). (Connected to VDD)
21	XSEL	I	Crystal selection input. Low for 16.93 MHz and High for 33.87MHz.
22	XLON	O	Microcomputer extended interface (output).
23	FOK	I	Focus OK input. Used for SENS output and the servo auto sequencer.
24	MON	O	Spindle motor ON/OFF control output.
25	MDP	O	Spindle motor servo control output.
26	MDS	O	Spindle motor servo control output. (Not used)
27	LOCK	O	GFS is sampled at 460 Hz. When GFS is high, this pin outputs a high signal. If GFS is low eight consecutive samples, this pin outputs low.
28	TEST1	I	TEST pin. Normally connected to GND.
29	FILO	O	Master PLL (slave = digital PLL) filter output.
30	FILI	I	Master PLL filter input.
31	PCO	O	Master PLL charge pump output.
32	VDD	–	Digital power supply (+5V).
33	AVSS1	–	GND.
34	CLTV	I	Master PLL VCO control voltage input.
35	AVDD1	–	Analog power supply (+5V).
36	RF	I	EFM signal input.
37	BIAS	I	Constant current input to asymmetry correction circuit.
38	ASYI	I	Comparator voltage input to asymmetry correction circuit.
39	ASYO	O	EFM full swing output (Low = VSS, High = VDD).
40	ASYE	I	L: asymmetry correction OFF, H: asymmetry correction ON. (Connected to VDD)

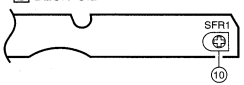
Pin No.	Pin Name	I/O	Description
41	WDCK	O	D/A interface for 48-bit slot. Word clock (2FS). (Not used)
42	LRCK	O	D/A interface for 48-bit slot. LR clock (FS).
43	LRCKI	I	LR clock input for DAC. (48-bit slot)
44	PCMD	O	D/A interface. Serial data (two's complement, MSB first).
45	PCMDI	I	Audio data input for DAC. (48-bit slot)
46	BCK	O	D/A interface. Bit clock.
47	BCKI	I	Bit clock input for DAC. (48-bit slot)
48	GTOP	O	GTOP output. (Not used)
49	XUGF	O	XUGF output. (Not used)
50	XPCK	O	XPLCK output. (Not used)
51	GFS	O	GFS output. (Not used)
52	RFCK	O	RFCK output. (Not used)
53	VSS	–	GND.
54	C2PO	O	C2PO output. (Not used)
55	XROF	O	XRAOF output. (Not used)
56	MNT3	O	MNT3 output. (Not used)
57	MNT1	O	MNT1 output. (Not used)
58	MNT0	O	MNT0 output. (Not used)
59	FSTT	O	2/3 frequency divider output for Pins 73 and 74. (Not used)
60	C4M	O	4.2336 MHz output. (Not used)
61	DOUT	O	Digital Out connector output signal.
62	EMPH	O	Outputs high signal when the playback disc has emphasis, low signal when no emphasis.
63	EMPHI	I	DAC de-emphasis ON/OFF. High: on; low: off.
64	WFCK	O	WFCK (Write Frame Clock) output. (Not used)
65	ZEROL	O	No sound data detection output. High (L-ch) when no sound data is detected. (Not used)
66	ZEROR	O	No sound data detection output. High (R-ch) when no sound data is detected. (Not used)
67	DTSI	I	Test pin for DAC; normally low. (Connected to GND)
68	VDD	–	Digital power supply. (+5V).
69	LPWM	O	Left channel PWM output. (Forward phase)
70	NLPWM	O	Left channel PWM output. (Reverse phase)
71	AVDD2	–	Power supply for left channel PWM driver (+5V).
72	AVDD3	–	Power supply for crystal (+5V).
73	XTAI	I	33.8688 MHz crystal oscillator circuit input.
74	XTAO	O	33.8688 MHz crystal oscillator circuit output.
75	AVSS1	–	GND for crystal.
76	AVSS2	–	GND for PWM driver.
77	NRPWM	O	Right channel PWM output. (Reverse phase)
78	RPWM	O	Right channel PWM output. (Forward phase)
79	DTS2	I	DAC test pin 2; normally low. (Connected to GND)
80	DTS3	I	DAC test pin 3; normally low. (Connected to GND)

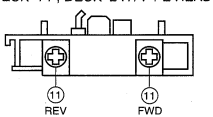
IC, CXA1782BQ

Pin No.	Pin Name	I/O	Description
1	FEO	O	Focus error amplifier output pin. This pin is connected to the FZC comparator input internally.
2	FEI	I	Focus error input pin.
3	FDFCT	I	Capacitor connection pin for the time constant used when there is defect.
4	FGD	I	Corrects the focus servo high frequency gain.
5	FLB	I	This is a pin where the time constant is externally connected to raise the low frequency gain of the focus servo.
6	FEO	O	Focus drive output.
7	FEM	I	Focus amplifier inverted input pin.
8	SRCH	I	This is a pin where the time constant is externally connected to generate the focus search waveform.
9	TGU	I	This is a pin where the selection time constant is externally connected to set the tracking servo the high frequency gain.
10	TG2	I	This is a pin where the selection time constant is externally connected to set the tracking high frequency gain.
11	FSET	I	Pin for setting peak of the phase compensator of the focus tracking.
12	TAM	I	Tracking amplifier inverted input pin.
13	TAO	O	Tracking drive ouput.
14	SLP	I	Sled amplifier non-inverted input pin.
15	SLM	I	Sled amplifier inverted input pin.
16	SLO	O	Sled drive output.
17	ISET	I	The current which determines height of the focus search, track jump and sled kick is input.
18	VCC	–	Power supply (+5V).
19	CLK	I	Serial data transfer clock input from main CPU.
20	XLT	I	Latch input from main CPU.
21	DATA	I	Serial data input from main CPU.
22	XRST	I	Reset input pin. Reset at low.
23	COUNT	O	Signal output to count the number of tracks.
24	SENS	O	FZC, DFCT, TZC, Gain or BAL is output depending on tne command from main CPU.
25	FOK	O	Output pin of the focus OK comparator.
26	CC2	O	Input pin where the DEFECT bottom hold output is capacitance coupled.
27	CC1	I	DEFECT bottom hold output pin.
28	CB	I	This is a pin where the DEFECT bottom hold capacitor is connected.
29	CP	I	This is a pin where the MIRR hold capacitor is connected and MIRR comparator non-inverted signal is input.
30	RFI	I	Input pin where the RF summing amplifier output is capacitance coupled.
31	RFO	O	RF summing amplifier output pin.
32	RFM	I	RF summing amplifier inverted input pin. Gain of RF amplifier is determined by the resistor connected between RFO and this pin.

Pin No.	Pin Name	I/O	Description
33	LD	O	APC amplifier output pin.
34	PHD	I	APC amplifier input pin.
35 ~ 36	PHD 1 ~ 2	I	RF I–V amplifier inverted input pins. These pins are connected to the A+C and B+D pins of the optical pickup.
37	FE-BIAS	I	Bias adjustment pin of the non-inverted side of the focus error amplifier.
38 ~ 39	F ~ E	I	F and E I–V amplifier non-inverted input pins. These pins are connected to the F and E of the optical pickup.
40	EI	–	Gain adjustment pin of the I–V amplifier E.
41	VEE	–	GND connection pin.
42	TEO	O	Tracking error amplifier output pin. E–F signal is output.
43	LPFI	I	BAL adjustment comparator input pin.
44	TEI	I	Tracking error input pin.
45	ATSC	I	Window comparator input pin for detecting ATSC.
45	TZC	I	Tracking zero-cross comparator input pin.
47	TDFCT	I	Capacitor connection pin for the time constant used when there is defect.
48	VC	O	DC voltage output pin of VREF. (VDD/2)







< TUNER SECTION >

1. Clock Frequency Adjustment
   Settings : • Test point : TP1
   • Adjustment location : TC701
   Method : Set to MW 1710kHz and adjust TC701 so that the test point becomes 2160kHz ± 0.01kHz.

2. MW VT Check
   Settings : • Test point : TP2 (VT)
   Method : Set to MW 1710kHz and check that the test point is 7.0V ± 1.0V.

3. AM IF Adjustment
   Settings : • Test points : TP6, TP7
   • Adjustment location :
   L742 ..... 450kHz
   Method : Set to MW 1000kHz and adjust L742 so that the test point becomes maximum.

4. MW Tracking Adjustment
   Settings : • Test points : TP6, TP7
   • Adjustment location : L981
   Method : Set to MW 1000kHz and adjust L981 so that the test point becomes maximum.

5. FM VT Check
   Settings : • Test point : TP2 (VT)
   Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 1.0V(87.5MHz) and less than 8.0V(108.0MHz).

6. FM Tracking Check
   Settings : • Test points : TP6, TP7
   Method : Set to FM 98.0MHz and check that the test point is $_{-10}$ 2dB ± 6dB.

7. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3, TP4
   • Adjustment location : L741
   • Input level : 54dB
   Method : Set to FM 98.0MHz and adjust L741 so that the voltage between TP3 and TP4 becomes 0V ± 0.04V. Next, check that the distortion is less than 1.3%.

8. Auto Stop Level Adjustment
   Settings : • Test point : TP5
   • Adjustment location : SFR722
   • Input level : 18dB
   Method : Set to FM 98.0 MHz and adjust voltage low (about 0.01V) by SFR722. After that voltage high (about 7.0V) by 2dB down.

9. Auto Stop Level Check
   MW
   Settings : • Test point : TP5
   • Input level : 50dB
   Method : Set to MW 999kHz(U), MW1000kHz(LH) and check that the test point is 40 ~ 65 dB.

   FM
   Settings : • Test point : TP5
   • Input level : 20dB
   Method : Set to FM 98.0MHz and check that the test point is 20 dB ± 5 dB.

< DECK SECTION >

10. Tape Speed Adjustment (DECK2)
    Settings : • Test tape : TTA–100
    • Test points : TP8, TP9
    • Adjustment location : SFR1
    Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz ± 5Hz, and to ±45Hz of the FWD value during the REV mode.

11. Head Azimuth Adjustment (DECK1, DECK2)
    Settings : • Test tape : TTA–300
    • Test points : TP8, TP9
    • Adjustment location : Head azimuth adjustment Screw
    Method : Play back the 10kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD and REV PLAYmode.

12. PB Frequency Response Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–300
    • Test points : TP8, TP9
    Method : Play back the 315Hz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signal with respect to that of the 315Hz signal is 0dB±2dB.

13. PB Sensitivity Adjustment (DECK 1, DECK 2)
    Settings : • Test tape : TTA–200
    • Test points : TP8, TP9
    • Adjustment location :
    SFR301 (DECK 1, Lch)
    SFR302 (DECK 1, Rch)
    SFR303 (DECK 2, Lch)
    SFR304 (DECK 2, Rch)
    Method : Play back the test tape and adjust SFRs so that the output level of the test point becomes 300mV.

14. REC/PB Frequency Response Adjustment
    Settings : • Test tape : TTA–602
    • Test points : TP8, TP9
    • Input signal : 1kHz / 10kHz (LINE IN)
    • Adjustment location : SFR451 (Lch)
    SFR452 (Rch)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes 21mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signals becomes 0dB ± 0.5dB with respect to that of the 1kHz signal.

15. REC/PB Sensitivity Adjustment
    Settings : • Test tape : TTA–602
    • Test points : TP8, TP9
    • Input signal : 1kHz (LINE IN)
    • Adjustment location : SFR305 (Lch)
    SFR306 (Rch)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes 21mV. Record and play back the 1kHz signals and adjust SFRs so that the output is 21mV ± 0.5dB.

16. Bias OSC Frequency Adjustment
    Settings : • Test tape : TTA–615
    • Test point : TP10 (R311)
    • Adjustment location : L451
    Method : Set to the REC mode. Adjust L451 so that the frequency at the test point becomes minimum.

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

<FM SECTION>

IHF sensitivity :	3dB ± 6dB[at 87.5 / 98.0MHz]
	6dB ± 6dB [at 108.0MHz]
S/N 50dB Quieting sensitivity :	
	Less than 36dB
	[at 87.5 / 98.0 / 108.0MHz]
Signal to noise ratio :	More than 65dB[at 98.0MHz/MONO]
	More than 64dB[at 98.0MHz/STEREO]
Distortion :	1.3% [at 98.0MHz/MONO]
	Less than 2.0% [at 98.0MHz/STEREO]
Stereo separation :	More than 25dB[at 98.0MHz]
Intermediate frequency :	10.7MHz

<AM(MW) SECTION>

Sensitivity :	52 ~ 62dB[at 600kHz]
(S/N 20 dB)	48 ~ 58dB [at 1000kHz / 1400kHz]
Signal to noise ratio :	More than 35dB[at 1000kHz]
Distortion :	Less than 1.5% [MONO]
	Less than 4.0% [STEREO]
Intermediate frequency :	450kHz

<DECK SECTION>

Tape speed :	3000Hz ± 45Hz
Wow & flutter :	Less than 0.15% (R.M.S)
Take-up torque :	30 ~ 55g-cm (FWD, REV)
F.F & REW torque :	75 ~ 160g-cm
Back tension :	2 ~ 7g-cm (FWD, REV)
PB output level :	2.8V ± 2dB (SP OUT 2V)
REC/PB output level :	1.7V ± 2dB (SP OUT 2V)
Distortion (REC/PB) :	Less than 2.0% (NORM, CrO2)
Noise level (PB) :	Less than 110mV / 80mV (NORM, DOLBY OFF / B ON, SP OUT 2V)
	Less than 90mV / 70mV (CrO2, DOLBY OFF / B ON, SP OUT 2V)
Noise level (REC/PB) :	Less than 120mV / 90mV (NORM, DOLBY OFF / B ON, SP OUT 2V)
	Less than 100mV / 80mV (CrO2, DOLBY OFF / B ON, SP OUT 2V)
Crosstalk :	More than 58dB (1kHz, 0VU)
Channel separation :	More than 45dB (1kHz, 0VU)
Erasing ratio :	More than 60dB (at 125Hz, 10VU)
Test tape :	TTA-602 (NORMAL)
	TTA-615 (CrO2)

CD TEST MODE

1. How to Activate CD Test Mode
1) Insert the AC plug while pressing the CD function button. All FL display tubes will light up, and the test mode will be activated.

2. How to cancel CD Test Mode
Either one of the following operations will cancel the CD test mode.
- Press the function button (except CD button).
- Press the power switch button.
- Disconnect the AC plug.

3. CD Test Mode Functions
When test mode is activated, the following mode functions from No. 1 to No. 5 can be used by pressing the operation keys.

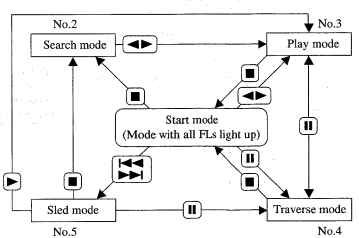
Mode / No.	Operation	FL display	Function	Contents
Start mode No. 1	Test mode activation	All FL light up	• Activates the test mode. (CD block power supply ON)	All FL displays light up
Search mode No. 2	■ key	C0--	• Laser diode illuminated under normal circumstances • Continual focus search * NOTE 1 (The pickup lens repeats the full-swing up-down motion.) * Avoid continual searches that last for more than 10 minutes.	• Laser current measurement (Across R28 resistor) FOCUS SERVO • Check focus search waveform • Check focus error waveform * FOK / FZC are not monitored in the search mode.
Play mode No. 3	◄► key	C01	• Normal playback • Focus search is continued if TOC cannot be read * NOTE 1	FOCUS SERVO / TRACKING SERVO CLV SERVO / SLED SERVO Check FOK / FZC
Traverse mode No. 4	II key	C01	• During normal disc playback Press once; tracking servo OFF Press twice; tracking servo ON * NOTE 2	TRACKING SERVO ON / OFF Tracking balance (traverse) adjustment TP2 (VREF), TP3 (TE)
Sled mode No. 5	I◄◄ key ►►I	All FL light up	• Pickup moves to the outermost track • Pickup moves to the innermost track * NOTE 3 (During playback, machine operates normally.)	SLED SERVO Check SLED mechanism operation

* NOTE 1: There are cases when the tracking servo cannot be locked owing to the protection circuit being operated when heat builds up in the driver IC if the focus search is operated continually for more than 10 minutes. In these cases, the power supply should be switched off for 10 minutes until heat has been reduced and then re-started.

* NOTE 2: Do not press the I◄◄ or ►►I keys when the machine is in the II status is active. If they are pressed, playback will not be possible after the II status has been cancelled. If the I◄◄ or ►►I keys are pressed in the II status, press the ■ key and return to start mode (No. 1).

* NOTE 3: When pressing the I◄◄ or ►►I keys, take care to avoid damage to the gears. Because the sled motor is activated when the I◄◄ or ►►I keys are pressed, even when the pick-up is at the outermost or innermost track.

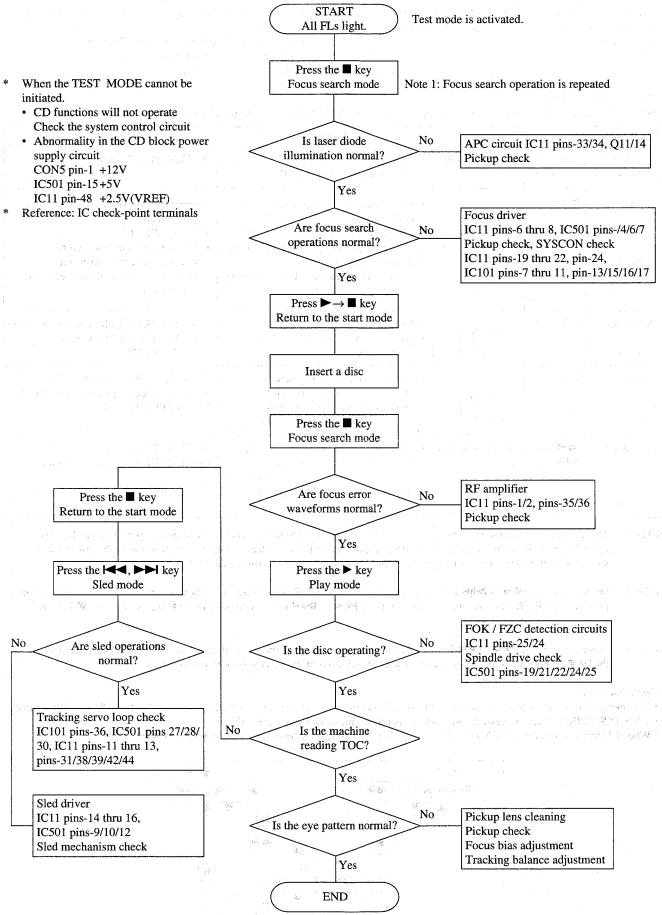
4. Operation Outline
- The operation of each mode is carried out in the direction of the arrows from the start mode as indicated in the following illustration.
- When DISC DIRECT key is pressed, test mode is operated same as pressing the PLAY key.
- When CD tray is opened by OPEN / CLOSE key while play and traverse modes, test mode goes back start mode.

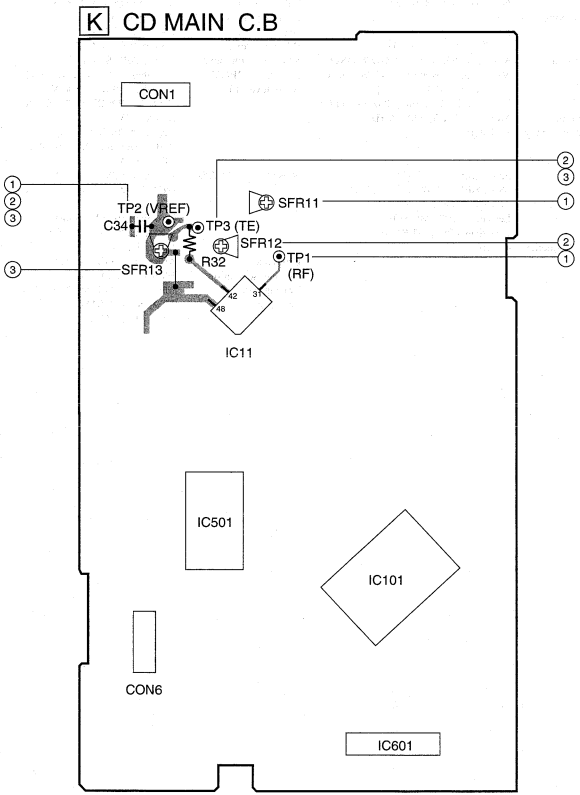


Flow Chart

* When the TEST MODE cannot be initiated.
- CD functions will not operate
  Check the system control circuit
- Abnormality in the CD block power supply circuit
  CON5 pin-1 +12V
  IC501 pin-15 +5V
  IC11 pin-48 +2.5V(VREF)

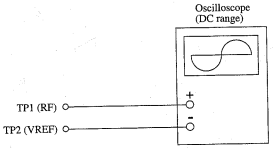
* Reference: IC check-point terminals





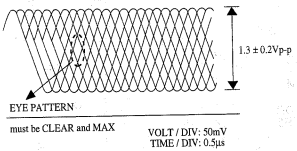
Note :
Connect a probe (10:1) of the oscilloscope or the frequency counter to a test point TP2(VREF).

1. Focus Bias Adjustment
Make the focus bias adjustment when replacing and repairing the optical block.

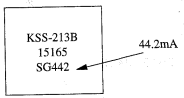


1) Connect an oscilloscope to the test points TP1 (RF) and TP2 (VREF).
2) Turn on the power switch.
3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
4) Adjust SFR11 so that RF signal of the test point TP1 (RF) is MAX and CLEARREST.

RF signal waveform

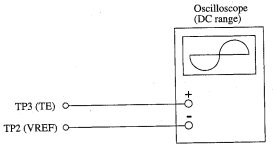


Note:
The current of the laser signal can be checked with the voltages on both sides of R23 (10Ω). The difference for the specified value shown on the level must be within ± 6.0mA.

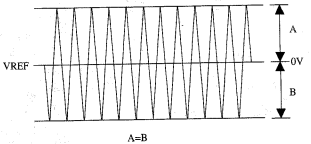


Laser current Iop = $\frac{\text{Voltage across R23}}{10\Omega}$

2. Tracking Balance Adjustment



1) Connect an oscilloscope to the test points TP3 (TE) and TP2 (VREF).
2) Active the CD test mode.
3) Insert test disc TCD-782 (YEDS-18) and set the traverse mode (No.4) of CD test mode.
4) Adjust SFR12 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.
5) After the adjustment is completed, remove the connected lead wires from the terminals.



3. Tracking Gain Adjustment
A servo analyzer is necessary in order to perform this adjustment exactly. However, this gain has a margin, so even if it is slightly off, there is no problem. Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when 2-axis device operates. However, as these gains are reciprocate, the adjustment is performed at the point where both gains are satisfied.

- When gain is raised, the noise increases when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.

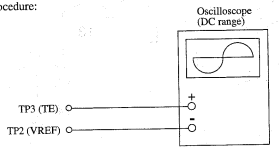
When the gain adjustment is not satisfied, the symptoms below appear.

Symptoms \ Gain	(Focus)	Tracking
• The time until music starts becomes longer for STOP → ▶PLAY or automatic selection (⏮, ⏭ buttons pressed.) (Normally takes about 2 seconds.)	low	low or high
• Music does not start and disc continues to rotate for STOP → ▶PLAY or automatic selection (⏮, ⏭ buttons pressed.)	–	low
• Disc stops to rotate shortly after STOP → ▶PLAY.	low or high	–
• Sound is interrupted during PLAY. Or time counter display stops.	–	low
• More noises during the 2-axis device operation.	high	high

The following is simple adjustment method.

– Simple adjustment –
Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment.
If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure:



1) Keep the set horizontal. (If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2-axis device.)
2) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
3) Connect an oscilloscope to TP2 (VREF) and TP3(TE).
4) Adjust SFR13 so that the waveform appears as shown in the figure below.
(tracking gain adjustment)

VOLT/DIV: 50 mV
TIME/DIV: 1 mS

- Incorrect example

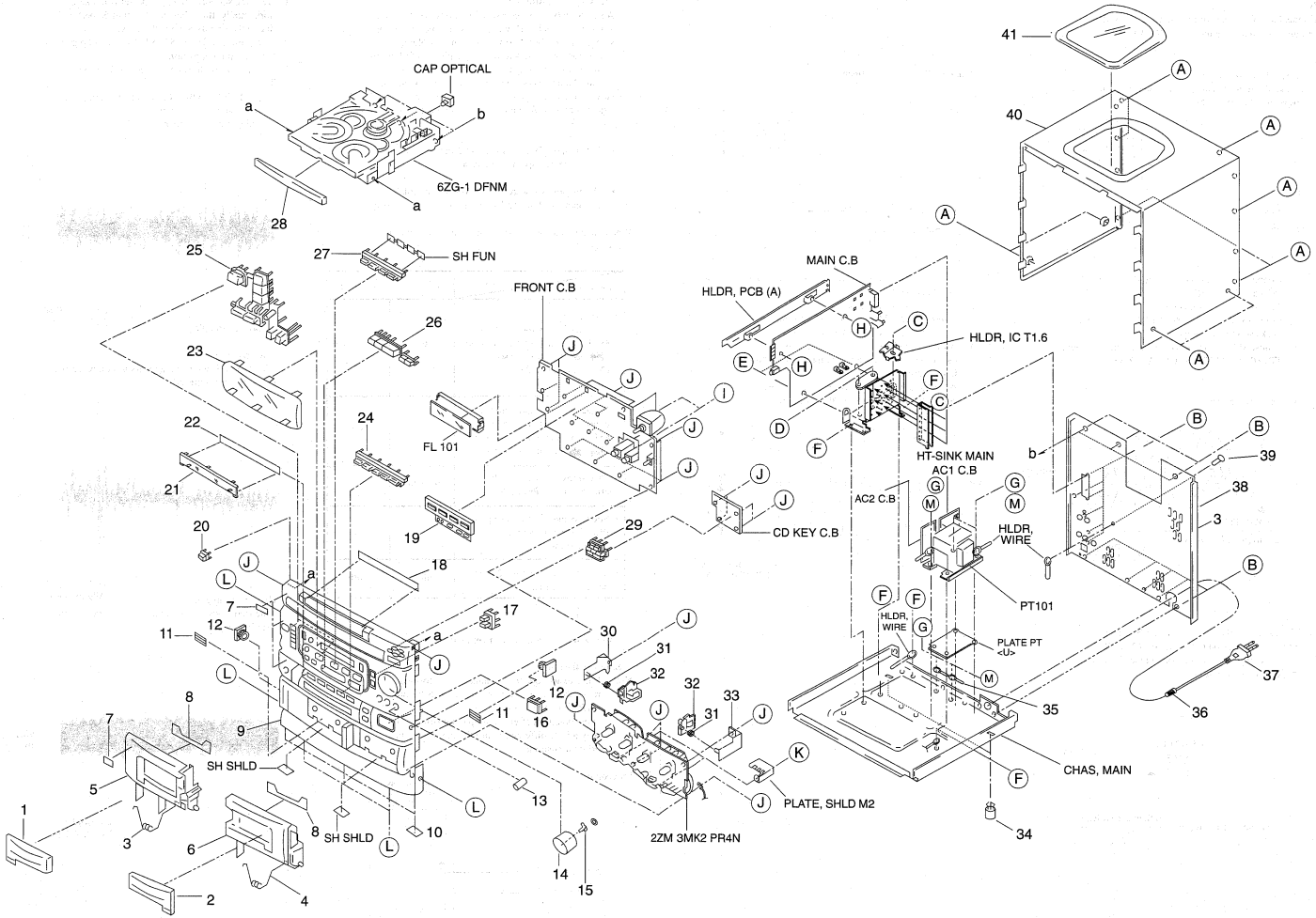
Low tracking gain
(The fundamental wave appears as compared with the waveform adjusted)

VOLT/DIV: 50 mV
TIME/DIV: 1 mS

High tracking gain
(The frequency of the fundamental wave is higher than in low gain)

VOLT/DIV: 50 mV
TIME/DIV: 1 mS

MECHANICAL EXPLODED VIEW 1 / 1

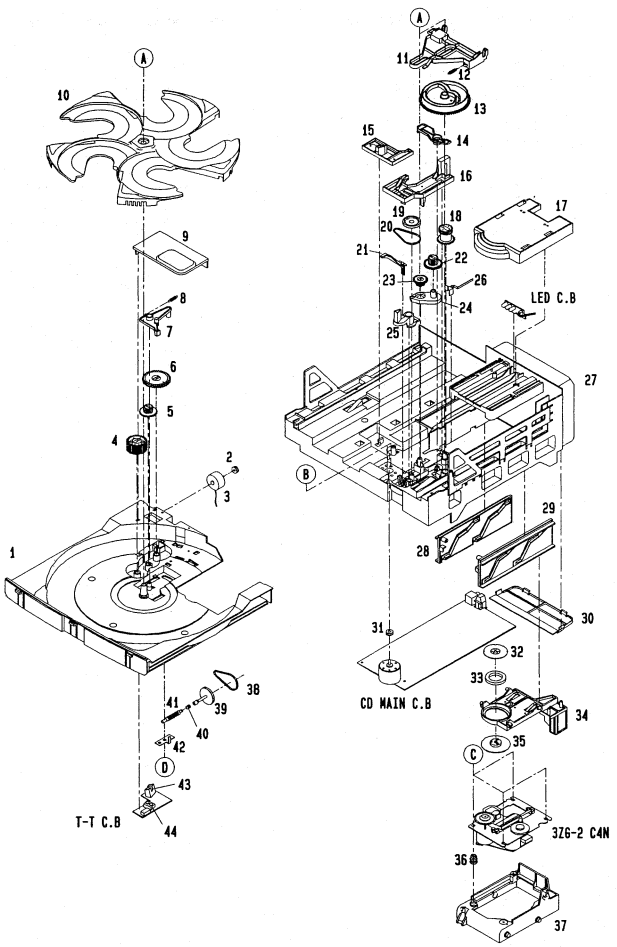


MECHANICAL PARTS LIST 1 / 1

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MA5-008-010		WINDOW,CASS L
2	86-MA5-009-010		WINDOW,CASS R
3	82-NP5-218-010		SPR-T,EJECT1
4	82-NP5-219-010		SPR-T,EJECT2
5	86-MA5-025-010		BOX,CASS L E<U>
5	86-MA5-002-010		BOX,CASS L<LH>
6	86-MA5-026-010		BOX,CASS R E<U>
6	86-MA5-003-010		BOX,CASS R<LH>
7	82-NE8-032-010		BADGE,AIWA 27.5 ABS GLD
8	86-NP6-061-010		REFLECTOR,CASS
9	86-MA5-021-010		CABI FR LH<LH>
9	86-MA5-023-010		CABI FR U<U>
10	81-YW1-201-010		FHLT,2D-15-2
11	81-532-080-010		LBL,CASS-COMPT
12	87-063-165-010		OIL,DMPR150
13	80-MT3-014-010		KNOB MIC
14	86-MA3-019-010		KNOB,RTRY MAIN
15	86-MA3-020-010		LENS,VOL
16	86-MA5-018-010		KEY,ASP
17	86-MA5-015-010		KEY,T-BASS
18	86-MA5-037-010		PANEL,TRAY E<U>
18	86-MA5-004-010		PANEL,TRAY<LH>
19	86-MA5-204-010		GUIDE,LED PLAY
20	86-MA5-012-010		KEY,POWER
21	86-MA5-007-010		WINDOW,GEQ
22	86-MA5-020-010		PLATE,GEQ<U>
22	86-MA5-040-010		PLATE,GEQ LH<LH>
23	86-MA5-006-010		WINDOW AMP
24	86-MA5-017-010		KEY,GEQ<U>
24	86-MA5-039-010		KEY,GEQ LH<LH>
25	86-MA5-019-010		KEY,DOLBY
26	86-MA5-016-010		KEY,PLAY
27	86-MA5-013-010		KEY,FUN
28	86-MA5-005-110		WINDOW,CD
29	86-MA5-010-010		KEY,DIRECT
30	82-NP5-226-010		HLDR LOCK,1N
31	82-NP5-228-010		SPR-C LOCK
32	82-NP5-229-010		PLATE LOCK
33	82-NP5-227-010		HLDR,LOCK 2 N
34	87-085-224-010		FOOT,H17
35	87-064-080-010		BINDER,WIRE
36	87-085-185-010		BUSHING AC CORD E<LH>
36	87-085-189-010		BUSHING AC CORD U<U>
⚠ 37	87-050-079-010		AC CORD ASSY,E<LH>
⚠ 37	87-050-053-010		AC CORD ASSY,U-2<U>
38	86-MA5-030-010		PANEL,REAR LHENM<LH>
38	86-MA5-033-010		PANEL,REAR UHNM<U>
39	87-084-077-010		RIVET,NYL3.5-4.5
40	86-MA5-014-010		CABI,STEEL
41	86-MA3-042-010		WINDOW TOP
A	87-067-641-010		UTT2+3-8 W/O SLOT BLK
B	87-067-761-010		BVT2+3-10 BLK
C	87-067-579-010		BVT2+3-8 W/O SLOT BLK
D	87-067-581-010		BVT2+3-15 W/O SLOT
E	87-067-633-010		BVT2+3-8 W/CON VEX
F	87-067-688-010		BVTT+3-6
G	87-067-975-010		S-SCREW,IT+4-8 SWCH12A<U>
H	87-078-084-010		BVTT+3-6 W/CONVEX
I	81-MX1-210-010		S-SCREW,BPT2+3-16
J	87-078-060-010		BVIT3B+3-10
K	87-571-032-410		VLT+2-3
L	87-591-095-410		QIT+3-8
M	87-067-585-010		BVTT+4-6<LH>

CD MECHANISM EXPLODED VIEW 1 / 2

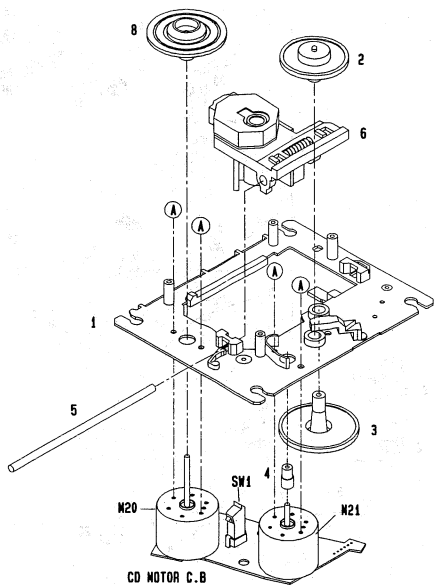


CD MECHANISM PARTS LIST 1 / 2

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-ZG1-001-01K		TRAY,5CD
2	81-ZG1-212-01K		FULLY,LOAD MO
3	87-A90-036-019		MOT ASSY,RF-300CA-11
4	86-ZG1-228-01K		GEAR,TT-B
5	86-ZG1-227-01K		GEAR,TT-A
6	86-ZG1-223-01K		WORM-WHEEL,TT
7	86-ZG1-224-01K		LEVER,TT
8	86-ZG1-226-010		SPR-E,LEVER TT
9	86-ZG1-003-01K		COVER,TRAY
10	86-ZG1-002-01K		TURN TABLE,5CD
11	86-ZG1-211-01K		JOINT,CAM
12	86-ZG1-216-010		SPR-E,JT
13	86-ZG1-203-01K		GEAR,MAIN CAM
14	86-ZG1-213-01K		LEVER,LOAD
15	86-ZG1-214-01K		LEVER,PROTECT
16	86-ZG1-212-01K		SLIDER,LOAD
17	86-ZG1-004-01K		REFLECTOR,CD
18	86-ZG1-205-01K		GEAR,TRAY
19	84-ZG1-219-019		PULLY,RELAY BGE
20	84-ZG1-209-010		BELT,SQ1.8-117.7
21	86-ZG1-217-01K		LEVER,SW
22	86-ZG1-206-01K		GEAR,RELAY B
23	86-ZG1-204-01K		GEAR,RELAY A
24	86-ZG1-218-01K		PLATE,GEAR
25	86-ZG1-208-01K		LEVER,TRAY
26	86-ZG1-220-110		SPR-P,LOCK
27	86-ZG1-201-01K		CHAS,MECHA
28	86-ZG1-209-01K		SLIDER,CAM L
29	86-ZG1-210-01K		SLIDER,CAM R
30	86-ZG1-005-01K		COVER,CHAS
31	84-ZG2-228-019		PULLEY,MOT
32	83-ZG3-211-01K		PLATE,DISC
33	83-ZG3-602-010		RING,MAG
34	86-ZG1-215-01K		HLDR,CHUCK
35	83-ZG3-212-019		CAP,DISC
36	80-CD3-214-019		CUSH CD A
37	86-ZG1-202-01K		HLDR,MECHA
38	86-ZG1-225-019		BELT,SQ1.2-32.9
39	86-ZG1-221-01K		PULLEY,TT
40	86-ZG1-231-010		SPR-C,WORM
41	84-ZG1-238-01K		GEAR,WORM N
42	86-ZG1-232-010		SPR-P,WORM
43	86-ZG1-229-010		HLDR,SENSOR
44	86-ZG1-230-010		HLDR,DISC SENSOR
A	87-078-148-019		VFT 2+3-12(F10)BLK
B	87-251-072-419		U+2.6-5
C	91-ZG1-254-019		S-SCEW,MECH HLDR
D	87-067-579-010		BVT2+3-8 W/O SLOT

CD MECHANISM EXPLODED VIEW 2 / 2

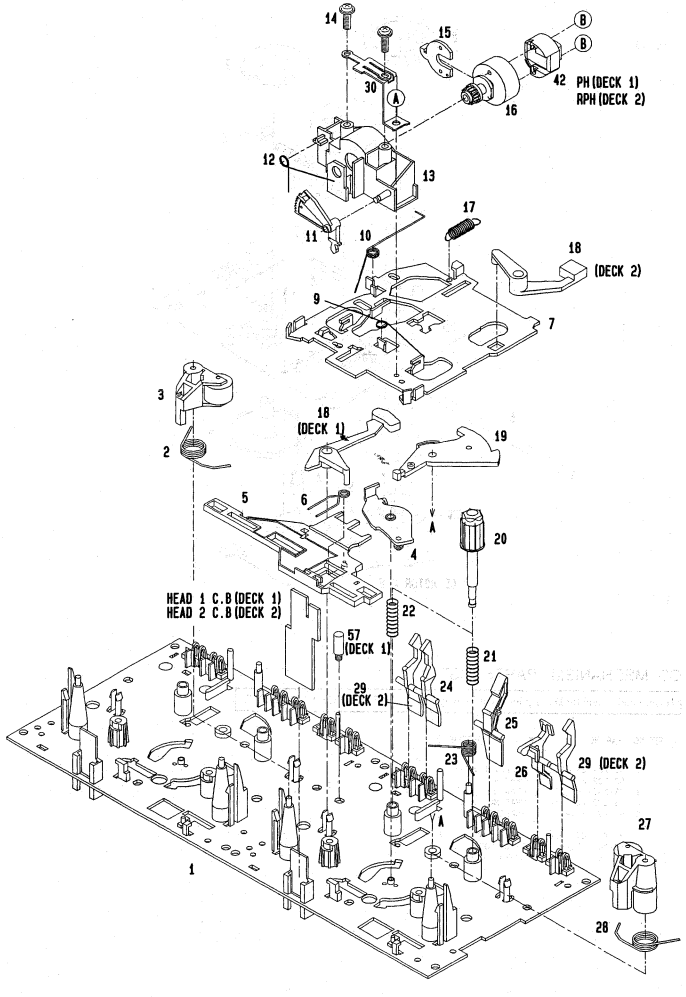


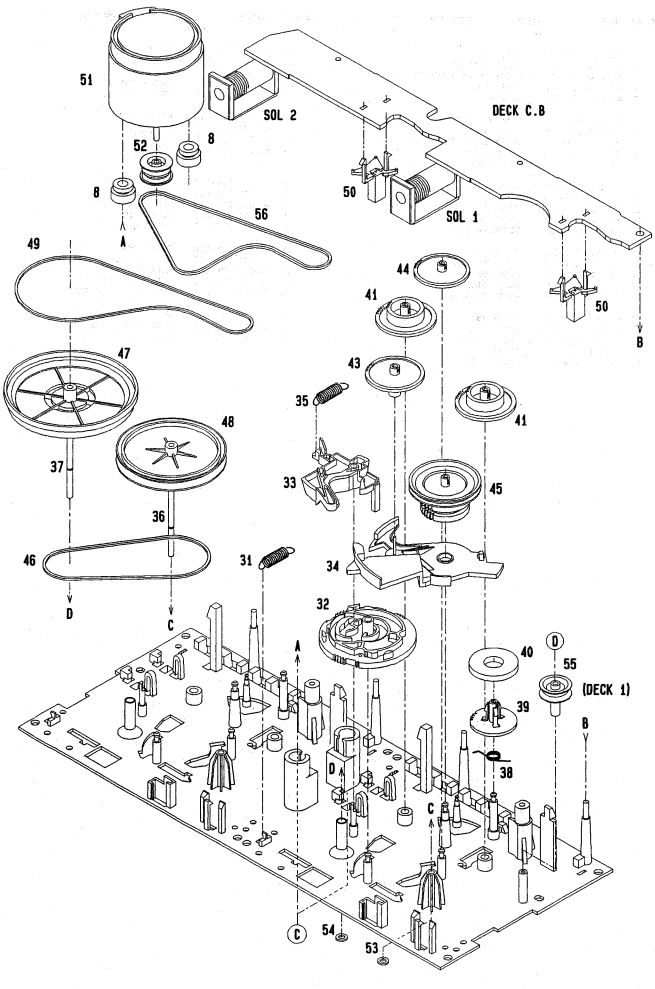
CD MECHANISM PARTS LIST 2 / 2

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	83-ZG2-232-11K		O-SERT S ASSY,S5
2	83-ZG2-204-419		GEAR,A
3	83-ZG2-205-219		GEAR,B
4	83-ZG2-220-01K		GEAR MOTOR 2
5	83-ZG2-207-119		SHAFT,SLIDE
6	87-070-445-010		PICK-UP,KSS-213B
8	83-ZG2-227-01K		TURN TABLE,C1
A	87-261-032-219		SCREW V+2-3

TAPE MECHANISM EXPLODED VIEW 1 / 1



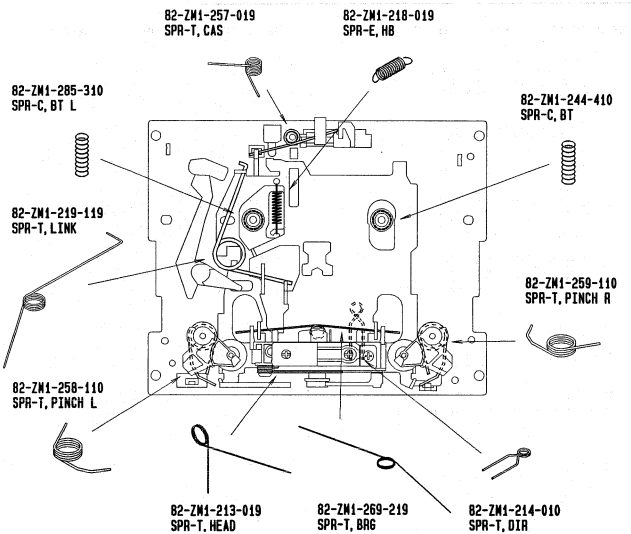


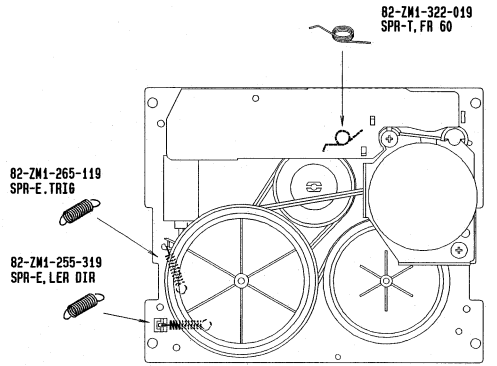
TAPE MECHANISM PARTS LIST 1 / 1

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-519		CHAS ASSY,M2
2	82-ZM1-258-110		SPR-T,PINCH L
3	82-ZM1-345-019		LVR ASSY,PINCH L W
4	82-ZM1-333-010		PLATE,LINK 2
5	82-ZM1-266-11K		LVR,DIR
6	82-ZM1-214-010		SPR-T,DIR
7	82-ZM1-206-81K		CHAS,HEAD
8	82-ZM3-307-019		CUSH-G,DIA3.7-8-3.2
9	82-ZM1-269-219		SPR-T,BRG
10	82-ZM1-219-119		SPR-T,LINK
11	82-ZM1-210-119		GEAR,H T
12	82-ZM1-213-019		SPR-T,HEAD
13	82-ZM1-207-619		GUIDE,TAPE
14	82-ZM1-283-310		S-SCREW,AZIMUTH
15	82-ZM1-314-119		PLATE,HEAD
16	82-ZM1-208-119		HLDR,HEAD
17	82-ZM1-218-019		SPR-E,HB
18	82-ZM1-263-110		LVR,EJECT L (DECK 1)
18	82-ZM1-264-010		LVR,EJECT R (DECK 2)
19	82-ZM1-222-21K		LVR,PLAY
20	82-ZM1-217-319		REEL TABLE
21	82-ZM1-244-510		SPR-C,BT
22	82-ZM1-285-310		SPR-C,BT L
23	82-ZM1-257-019		SPR-T,CAS
24	82-ZM1-241-319		LVR,MC
25	82-ZM1-242-019		LVR,CAS
26	82-ZM1-243-019		LVR,STOP
27	82-ZM1-346-019		LVR ASSY,PINCH R W
28	82-ZM1-259-110		SPR-T,PINCH R
29	82-ZM1-240-11K		LVR,REC (DECK 2)
30	82-ZM1-298-010		SPR-P,EARTH
31	82-ZM1-255-319		SPR-E,LVR DIR
32	82-ZM3-305-01K		GEAR,CAM M2
33	82-ZM1-227-21K		LVR,TRIG
34	82-ZM3-306-11K		LVR,FR M2
35	82-ZM1-265-119		SPR-E,TRIG
36	82-ZM1-236-019		CAPSTAN N 2-41.5
37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
38	82-ZM1-322-019		SPR-T,FR60
39	82-ZM1-220-219		GEAR,IDLER
40	82-ZM3-616-019		RING MAGNET 4
41	82-ZM1-216-31K		GEAR,REEL
42	87-046-355-019		HEAD,PH HADKH2529B
42	87-046-356-019		HEAD,RPH HADKH5581B
43	82-ZM1-225-21K		GEAR,FR
44	82-ZM1-226-019		GEAR,REW
45	82-ZM1-228-810		SLIP DISK ASSY
46	82-ZM1-338-010		BELT FR4
47	82-ZM1-238-81K		FLY-WHL ASSY,R(DECK2)
47	82-ZM3-210-71K		FLY-WHL ASSY,R2(DECK1)
48	82-ZM1-235-51K		FLY-WHL ASSY,L(DECK2)
48	82-ZM3-208-61K		FLY-WHL ASSY,L2(DECK1)
49	82-ZM3-329-210		BELT,SBU R2
50	82-ZM1-245-210		HLDR,IC
51	87-045-347-019		MOT,SHUZL 70(M1)
52	82-ZM3-221-010		PULLEY,MOT 2M
53	82-ZM1-288-019		SH,1.63-3.2-0.5 SLT
54	80-ZM6-243-019		SH,1.75-3.6-0.5 SLT
55	82-ZM3-304-110		PULLEY,COUPLER(DECK1)
56	82-ZM3-328-110		BELT,SBU P2
57	82-ZM3-216-019		SHAFT,COUPLER N(DECK1)
A	82-ZM1-315-010		S-SCREW,GVIDE TAPE
B	80-ZM6-207-019		V+1.6-7
C	82-ZM3-318-019		S-SCRW MOTOR M2
D	87-067-972-019		PW,1.05-3-0.25 SLT

SPRING APPLICATION POSITION





ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MA5-902-019		IB,LH(ES)-M<LH>
1	86-MA5-903-019		IB,U(ESP)-M<U>
2	86-MA3-701-119		RC UNIT, 6AS01
3	87-006-225-019		AM LOOP ANT MC2
4	87-043-115-019		ANT,FEEDER FM
5	87-099-789-019		PLUG,CONVERSION IR44<LH>

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FLTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

サービス技術ニュース	
番号	連絡内容
G— —	
G— —	
G— —	

アイワ株式会社
AIWA CO.,LTD.

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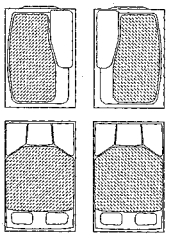
SPEAKER



SPEAKER

SERVICE MANUAL

• TYPE: English, Japanese

• This Service manual contains below models.

SX-SLM6	SX-CR321	SX-C300	SX-R210	SX-Z24	SX-Z240	SX-FZ2600
SX-SL300	SX-CR421	SX-C400	SX-R220	SX-Z26	SX-Z260	SX-FZ2700
SX-SL600	SX-CR423		SX-R230	SX-Z27	SX-Z270	SX-FZ3400
SX-SLAP1MK3			SX-R240		SX-Z280	
SX-SL800			SX-R250		SX-Z290	
			SX-R260			

SX-Z2890	SX-AZ2800	SX-ANV900	SX-NV200	SX-FNV500	SX-NAV70
SX-Z3250	SX-AZ3450	SX-ANV8000	SX-NV210	SX-FNV700	SX-NAV80
SX-Z4400			SX-NV300	SX-FNV800	SX-NAV90
SX-Z7400			SX-NV2000		SX-NAV700
SX-Z9400			SX-NV2100		SX-NAV800
			SX-NV3000		SX-NAV900
			SX-NV3001		

SX-N340	SX-NAVH8	SX-ANH9	SX-NK21	SX-NM9	SX-FNH8	SX-FNF7
SX-N410G	SX-NAVH9	SX-ANH90	SX-FNK23	SX-NM820		SX-FNF77
SX-N3200	SX-NAVH80					
SX-N3150	SX-NAVH90					

• SX-CR model's structures are as follows ;

SX-CR321	SX-CR421	SX-CR423
SX-C300 SX-R210	SX-C400 SX-R210	SX-C400 SX-R230

• This SPEAKER service manual is updated, so replace the previous SPEAKER service manual with this manual.

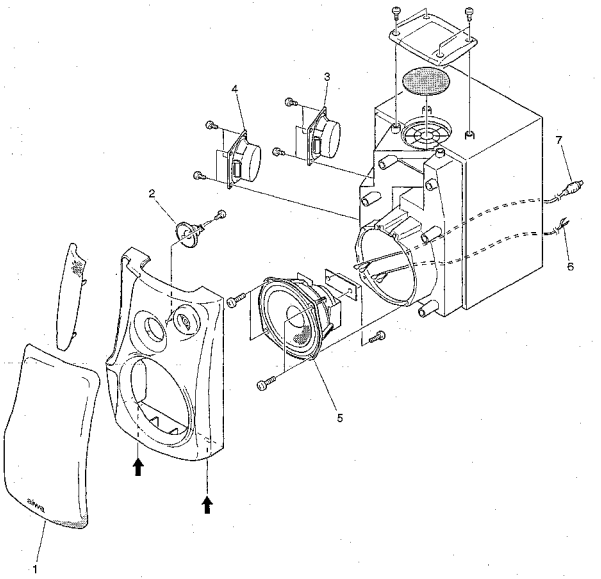
S/M Code No. 09-964-137-8FP

SX-ANV900 / ANV8000<900YJ, 900YL, 8000YU, 900Y, 900YJST, 900YST, 900YA, 900YJ3, 900YJ7>

SPEAKER DISASSEMBLY INSTRUCTIONS

矢印の位置にマイナスドライバーを差し込んで、パネルをはずして、各々のスピーカー・ユニットのビスを取り、スピーカー・ユニットをはずしてください。

Insert a flat - bladed screwdriver into the position indicated by the arrows and remove the panel.
Remove the screws of each speaker unit and then remove the speaker units.



SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NS4-010-019		GRILL FRAME L ASSY
2	86-NS4-009-019		GRILL FRAME R ASSY
3	86-NS4-001-019		PANEL,FR L
4	86-NS4-002-019		PANEL,FR R
5	86-NS4-608-019		SPKR T 50<EXCEPT 8000YU>
6	86-NS4-604-019		SPKR M 80<EXCEPT 8000YU>
7	86-NS4-606-019		SPKR F 80<EXCEPT 8000YU>
8	86-NS4-602-019		SPKR W 140 H<900YJ,900YL,900YJST,900YJ>
8	86-NS4-612-019		SPKR W 140 L<8000YU>
8	86-NS4-610-019		SPKR W 140 M<900Y,900YST,900YA>
9	83-NS5-613-019		SPEAKER CORD ASSY
10	85-NS6-611-019		SPEAKER CORD Y/B

SX-FNV800<YJ, YL, Y, YJST, YABNL, YABN, YJSTCC, YJ3, YST, YJ7BNL, YJ7STL, YSTN>
SPEAKER DISASSEMBLY INSTRUCTIONS

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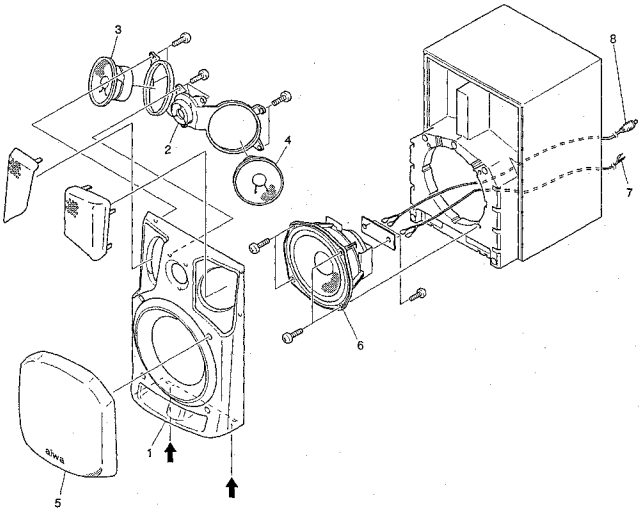
Insert a flat - bladed screwdriver into the position indicated by the arrows and remove the panel.
Remove the screws of each speaker unit and then remove the speaker units.



SPEAKER PARTS LIST

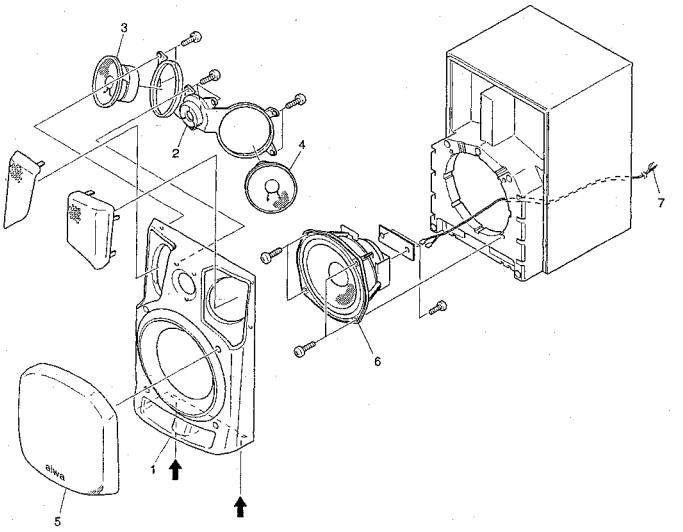
If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NS5-001-019		PANEL FR<EXCEPT YJST, YJSTCC, YST, YJ7STL, YSTN>
1	86-NS5-027-019		PANEL FR ST<YJST, YJSTCC, YST, YJ7STL, YSTN>
2	86-NS5-028-019		HLDR SQ ASSY
3	86-NS5-604-019		SPEAKER TWEETER
4	86-NS5-606-019		SPEAKER
5	86-NS5-007-019		GRILL FRAME ASSY
6	86-NS5-602-019		SPEAKER WOOFER<EXCEPT YABNL, YST>
6	86-NS6-602-019		SPEAKER WOOFER<YABNL, YST>
7	83-NS5-613-019		SPEAKER CORD ASSY
8	85-NS6-611-019		SPEAKER CORD Y/B

SX-FNV500 / FNV700 / FNK23<500YL, 700Y, 700YJ, FNK23YJST>
SPEAKER DISASSEMBLY INSTRUCTIONS

矢印の位置にマイナスドライバーを差し込んで、パネルをはずして、各々のスピーカー・ユニットのビスを取り、スピーカー・ユニットをはずしてください。

Insert a flat - bladed screwdriver into the position indicated by the arrows and remove the panel.
Remove the screws of each speaker unit and then remove the speaker units.



SPEAKER PARTS LIST

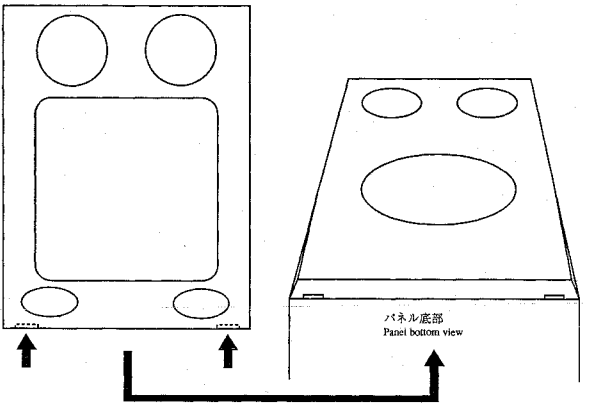
If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NS5-001-019		PANEL FR
2	86-NS5-028-019		HLDR SQ ASSY
3	86-NS5-604-019		SPEAKER TWEETER
4	86-NS5-606-019		SPEAKER
5	86-NS5-007-019		GRILL FRAME ASSY
6	86-NS5-608-019		SPEAKER WOOFER<700YJ,500YL>
6	86-NS6-602-019		SPEAKER WOOFER<700Y,FNK23YJST>
7	85-NS6-611-019		SPEAKER CORD Y/B

SPEAKER DISASSEMBLY INSTRUCTIONS

NOTE : Refer this disassembly instructions when servicing models for SX-FZ3400, SX-Z3250, SX-NV300/ NV3000/NV3001, SX-NAV70/NAV700, SX-NAV90/NAV900 and SX-NAV80/NAV800.

矢印の位置にマイナスドライバーを差し込んで、パネルをはずして、各々のスピーカー・ユニットの
ビスを取り、スピーカー・ユニットをはずしてください。
Insert a flat - bladed screwdriver into the position indicated by the arrows and remove the panel.
Remove the screws of each speaker unit and then remove the speaker units.



SX-FZ3400<YJ, YL>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-VS2-004-010		PANEL FR
2	86-VS2-006-010		ADAPTOR ASSY
3	86-VS2-601-010		SPEAKER WOOFER
4	83-MS5-608-010		SPEAKER MID R
5	83-MS5-610-010		SPEAKER
6	86-VS2-009-010		GRILL FRAME ASSY
7	85-MS3-610-010		SPEAKER CORD ASSY Y/B
8	84-MS3-611-010		SPEAKER CORD ASSY

SX-Z3250<Y, YJ, YL>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	85-VS4-006-010		GRILL FRAME ASSY<YJ,YL>
1	85-VS4-012-010		GRILL FRAME ASSY E<Y>
2	85-VS4-001-010		PANEL FR R<YJ,YL>
3	85-VS4-004-010		PANEL FR L<YJ,YL>
4	86-NSS-003-010		PANEL TW ASSY<YJ,YL>
5	86-MSS-602-010		SPEAKER W 220<YJ,YL>
5	85-VS4-601-010		SPEAKER WOOFER<Y>
6	84-VS3-603-010		SPEAKER TW 60<YJ,YL>
6	85-VS4-603-010		SPEAKER TWEETER<Y>
7	85-VS4-605-010		SPEAKER CERAMIC<Y>
8	83-096-614-010		SPEAKER CORD<YJ,YL>

SX-NV300 / NV3000 / NV3001 / NK21 <300YJBNC, 300YLBNC, 300YBNC, 3000YUBNC, 300B, 3001YUWNC, 300YJBNCC, 300YBNY1, 300YJ7, 300YJBNC1, 300YJBNC1C, 3001YUWNT, 3000YUBNT, 300YBNY2, 300YLBNC1, 300YBNC, NK21YJSTNC> SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NST-006-010	-	GRILL FRAME ASSY<EXCEPT YUBNC,YUWNC,YUWNT,NK21YJSTNC>
1	86-NSU-016-010		GRILL FRAME ASSY W<YUWNC,YUWNT>
1	86-NSU-006-010		GRILL FRAME ASSY D<EXCEPT YJBNC,YLBNC,YBNC,B,YUWNC,YJ7BNC,YBNY1,YJBNCC,YUWNT,YBNY2>
2	86-NST-001-010	-	PANEL FR R<EXCEPT YUBNC,YUWNC,YUWNT,NK21YJSTNC>
2	86-NSU-004-010		PANEL FR R D<YUBNC,YJBNC1,YJBNC1C,YUBNT,YLBNC1,YBNC1>
2	86-NSU-019-010		PANEL FR R ST<NK21YJSTNC>
3	86-NST-002-010	-	PANEL FR L<EXCEPT YUBNC,YUWNC,YUWNT,NK21YJSTNC>
3	86-NSU-005-010		PANEL FR L D<YUBNC,YJBNC1,YJBNC1C,YUBNT,YLBNC1,YBNC1>
3	86-NSU-020-010		PANEL FR L ST<NK21YJSTNC>
4	86-NSU-602-010		SPEAKER WOOFER<YBNY1,YBNY2>
4	86-MS5-608-010	-	SPEAKER WOOFER<EXCEPT YBNY1,YBNY2>
5	85-NS7-604-010	-	SPEAKER TWEETER<EXCEPT YBNY1,YBNY2>
5	86-NSU-604-010		SPEAKER TWEETER<YBNY1,YBNY2>
6	83-096-614-010	-	SPEAKER CORD
7	82-MSE-610-010	-	CERAMIC
8	83-MS8-009-010	-	DIAPHRAGM

SX-NAV70 / NAV700<70YJ, 70Y, 700YU, 70YSTNC, 70YBNY1, 70YBNY2, 70YSTNY1> SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NST-013-010		PANEL FR L ST<YSTNC,YSTNY1>
1	86-NST-002-010		PANEL FR L<YJ,Y,700YU,YBNY1,YBNY2>
2	86-NST-001-010		PANEL FR R<YJ,Y,700YU,YBNY1,YBNY2>
2	86-NST-012-010		PANEL FR R ST<YSTNC,YSTNY1>
3	86-NST-003-010		PANEL BA
4	86-NST-006-010		GRILL FRAME ASSY
5	86-NST-608-010		SPEAKER W 140<YBNY1,YBNY2,YSTNY1>
5	86-NS5-608-010		SPEAKER W 140<Y,700YU,YSTNC>
5	86-NS5-602-010		SPEAKER W 140<YJ>
6	86-NST-604-010		SPEAKER T 60<YJ,Y,700YU,YSTNC>
6	86-NST-610-010		SPEAKER T 60<YBNY1,YBNY2,YSTNY1>
7	82-NSE-610-010		CERAMIC
8	83-NS8-009-010		DIAPHRAGM
9	83-096-614-010		SPEAKER CORD

SX-NAV90 / NAV900<90YJ, 90Y, 90YST, 900YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NSR-005-010		GRILL FRAME ASSY R
2	86-NSR-006-010		GRILL FRAME ASSY L
3	86-NSR-009-010		PANEL FR R<EXCEPT YST>
3	86-NSR-016-010		PANEL FR R ST<YST>
4	86-NSR-010-010		PANEL FR L<EXCEPT YST>
4	86-NSR-017-010		PANEL FR L ST<YST>
5	86-NSR-602-010		SPEAKER W 140 M<EXCEPT Y,YST>
5	86-NSR-606-010		SPEAKER W 140<Y,YST>
6	86-NSR-604-010		SPEAKER TW 60 H
7	83-096-614-010		SPEAKER CORD
8	82-NSR-610-010		CERAMIC

SX-NAV80 / NAV800 / NM820<80YJBNC, 80YL, 80YBNC, 800YUBNC, 80YST, 800YUBNA, 820YJTNL, 820YTNL, 80YJ7, 80YBN, 80YJBNCC, 80YABNT, 80YABNM, 80B, 820YJBNL, 820B>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NSS-009-010	-	PANEL FR 80 R<EXCEPT YST,820YJTNL,820YTNL,820YJBNL,820B>
1	86-NSS-011-010		PANEL FR ST 80 R<YST>
2	86-NSS-010-010	-	PANEL FR 80 L<EXCEPT YST,820YJTNL,820YTNL,820YJBNL,820B>
2	86-NSS-012-010		PANEL FR ST 80 L<YST>
3	86-NSR-005-010	-	GRILL FRAME ASSY R<EXCEPT 820YJBNL,820B>
4	86-NSR-006-010	-	GRILL FRAME ASSY L<EXCEPT 820YJBNL,820B>
5	86-NSR-606-010		SPEAKER W 140<YBNC,800YUBNC,YST,800YUBNA>
5	86-NSS-602-010		SPEAKER W 140 H<YJBNC,YL,YJ7,YBN,YJBNCC,YABNT,YABNM>
5	86-NSM-602-010	-	SPEAKER W 160<820YJTNL,820YTNL,820YJBNL,820B>
6	86-NSM-604-010	-	SPEAKER TW 25<820YJTNL,820YTNL,820YJBNL,820B>
6	86-NSR-604-010		SPEAKER TW 60<EXCEPT 820YJTNL,820YTNL,820YJBNL,820B,80B>
7	82-NSE-610-010	-	CERAMIC<EXCEPT 820YJTNL,820YTNL,820YJBNL,820B>
8	83-096-614-010	-	SPEAKER CORD<EXCEPT 820YJTNL,820YTNL,820YJBNL,820B>
9	86-NSG-004-010	-	GRILL FRAME ASSY<820YJTNL,820YTNL,820YJBNL,820B>

SX-CR423<YJ, Y, YST>

NOTE : This SX-CR423 speaker contains SX-C400(center speaker) and SX-R230(rear speaker).
Refer to page 8 and 10 when servicing.

SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	85-NSX-001-010		PANEL FR(R230)<YJ,Y>
1	85-NSX-009-010		PANEL FR(R230)<YST>
2	85-NSX-002-010		PANEL REAR(R230)<YJ,Y>
2	85-NSX-010-010		PANEL REAR(R230)<YST>
3	85-NSX-005-010		GRILL FRAME ASSY(R230)
4	85-NSX-601-010		SPEAKER(R230)
5	81-VSA-010-010		SPEAKER CORD(R230)
6	85-NSY-001-010		PANEL FR(C400)<YJ,Y>
6	85-NSY-011-010		PANEL FR ST(C400)<YST>
7	85-NSY-002-010		PANEL REAR(C400)<YJ,Y>
7	85-NSY-012-010		PANEL REAR ST(C400)<YST>
8	85-NSY-010-010		GRILL FRAME ASSY(C400)
9	85-NSY-602-010		SPEAKER(C400)
10	83-NSM-010-010		SPEAKER CORD(C400)

SX-R230<YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	85-NSX-001-010		PANEL FR
2	85-NSX-002-010		PANEL REAR
3	81-VSA-010-010		SPEAKER CORD
4	85-NSX-005-010		GRILL FRAME ASSY
5	85-NSX-601-010		SPEAKER
6	85-NSX-901-010		IB YU(ESP)

SX-R240<Y, YJ>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	85-NSV-001-010		PANEL FR
2	85-NSX-005-010		GRILL FRAME ASSY
3	85-NSL-601-010		SPEAKER
4	81-VSA-010-010		SPEAKER CORD

SX-SR250 / R260<Y, YJ, YL, 260YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	83-NSX-011-010		PANEL FR R260<260YU>
2	83-NSX-004-010		GRILL FRAME ASSY
3	83-VS2-601-010		SPEAKER<EXCEPT 260YU>
3	83-NSX-601-010		SPEAKER<260YU>
4	81-VSA-010-010		SPEAKER CORD
5	83-NSX-008-010		PANEL TW ASSY
6	83-NSX-901-010		IB Y<EXCEPT 260YU>
6	83-NSX-902-010		IB YU(260)<260YU>

SX-SLM6<YT, YJ>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-CP2-002-010		GRILL FRAME ASSY
2	86-CP2-602-010		SPEAKER W
3	86-CP2-604-010		SPEAKER T

SX-SL300<B, W, D, G>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-CL7-112-010		PANEL FR<B,D>
1	86-CL7-116-010		PANEL FR W<W>
1	86-CL7-220-010		PANEL FR G<G>
2	86-CL7-113-010		GRILL FRAME
3	86-CL7-118-010		NET<B,D,G>
3	86-CL7-117-010		NET W<W>
4	86-CL7-119-010		SPEAKER
5	86-CL7-231-010		SPEAKER CODE
6	86-NS5-012-010		BADGE 35
7	86-CL7-232-010		CERAMIC

SX-SL600 / SLAP1MK3<Y, YJ, YL, YG, AP1MK3Y>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-CP6-001-010		PANEL FR R<EXCEPT YG,YL>
1	86-CP6-003-010		PANEL FR R G<YG>
1	86-CP6-005-010		PANEL FR R L<YL>
2	86-CP6-002-010		PANEL FR L<EXCEPT YG,YL>
2	86-CP6-004-010		PANEL FR L G<YG>
2	86-CP6-006-010		PANEL FR L L<YL>
3	86-CP6-602-010		SPEAKER WOOFER
4	86-CP6-603-010		SPEAKER TWEETER

SX-SL800<Y, YJ>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-CP5-001-010		PANEL FR R
2	86-CP5-002-010		PANEL FR L
3	86-CP5-005-010		GRILL FRAME ASSY R
4	86-CP5-006-010		GRILL FRAME ASSY L
5	86-CP5-604-010		SPEAKER MID
6	86-CP5-602-010		SPEAKER W
7	85-CP5-604-010		SPEAKER TW
8	83-096-614-010		SPEAKER CORD
9	85-CP5-611-010		SPEAKER CORD Y/B

SX-C300<Y, YJ, YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	83-NSM-007-010		GRILL FRAME ASSY
2	83-NSM-602-010		SPEAKER
3	83-NSM-010-010		SPEAKER CORD
4	83-NSM-901-010		IB Y<YJ,Y>
4	83-NSM-902-010		IB YU<YU>

SX-C400<YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	85-NSY-001-010		PANEL FR
2	85-NSY-003-010		PANEL REAR
3	85-NSY-010-010		GRILL FRAME ASSY
4	85-NSY-602-010		SPEAKER
6	83-NSM-010-010		SPEAKER CORD
7	85-NSY-901-010		IB YU(ESF)-400

SX-R210<Y, YJ,YU, YHS>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	83-VS3-001-010		CABI FRONT
2	83-VS3-004-010		GRILL FRAME ASSY
3	83-VS3-601-010		SPEAKER
4	81-VSA-010-010		SPEAKER CORD
5	81-VSA-003-010		CORD BUSH
6	87-351-099-010		SCREW VT+3-15
7	87-342-096-010		SCREW VT+3-10
8	87-302-124-010		SW+3.1-25
9	83-VS3-904-010		IB HS<YHS>
9	83-VS3-902-010		IB U<YU>
9	83-VS3-901-010		IB,Y<EXCEPT YU,YHS>

SX-R220 / SR220<Y, YJ, YJ1, YL, YL1, YU, SR220YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	83-VS3-004-010	-	GRILL FRAME ASSY
2	85-NSL-601-010	-	SPEAKER
3	83-VS3-901-110	-	IB Y<Y,YJ,YL>
3	83-VS3-902-110	-	IB U<YU>
3	85-NSL-902-010	-	IB Y<YJ1,YL1>
3	85-NSL-903-010	-	IB U<SR220YU>

SX-Z240 / Z24<Y, YL, YBNY1, YBNC, Z24YUBNC, Z24YUBNA>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MSU-001-010		PANEL FR<EXCEPT YBNY1, Z24YUBNA>
2	86-MSU-002-010		GRILL FRAME ASSY<EXCEPT YBNY1, Z24YUBNA>
2	86-MSU-011-010		GRILL FRAME ASSY<Z24YUBNA>
2	85-MSS-017-010		GRILL FRAME ASSY R<YBNY1>
3	85-MSS-603-010		SPEAKER W<EXCEPT YBNY1>
3	85-MSS-611-010		SPEAKER W<YBNY1>
4	85-MSS-613-010		SPEAKER TW<YBNY1>
4	85-MSS-605-010		SPEAKER TW<EXCEPT YBNY1>
5	85-MSS-607-010		CERAMIC<EXCEPT YBNY1, Z24YUBNA>

SX-Z260 / Z26<Y, Z26YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MSR-003-010		PANEL FR R<Z26YU>
2	86-MSR-004-010		PANEL FR L<Z26YU>
3	86-MSN-004-010		GRILL FRAME ASSY<Z26YU>
3	86-MSR-010-010		GRILL FRAME Y1 ASSY<Y>
4	86-MSN-601-010		SPEAKER W<Z26YU>
4	86-VSS-601-010		SPEAKER W<Y>
5	84-MS6-604-010		SPEAKER TW<Z26YU>
5	86-VSR-603-010		SPEAKER TW<Y>
6	86-VSR-605-010		CERAMIC<Y>

SX-Z270 / Z27<YBNL, YBNY1, Z27YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MSN-001-010		PANEL FR R<EXCEPT YBNY1>
2	86-MSN-002-010		PANEL FR L<EXCEPT YBNY1>
3	86-MSP-001-010		PANEL TW R<EXCEPT YBNY1>
4	86-MSP-002-010		PANEL TW L<EXCEPT YBNY1>
5	86-MSR-601-010		SPEAKER W<YBNY1>
5	86-VS2-601-010		SPEAKER W<EXCEPT YBNY1>
6	84-VS3-603-010		SPEAKER TW<EXCEPT YBNY1>
6	86-MSR-603-010		SPEAKER TW<YBNY1>
7	86-MSR-604-010		CERAMIC<YBNY1>
8	86-MSU-004-010		GRILL FRAME ASSY<EXCEPT YBNY1>
8	86-MSP-010-010		GRILL FRAME ASSY<YBNY1>

SX-Z280<Y, YJ>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MSN-001-010		PANEL FR R<EXCEPT Y>
2	86-MSN-002-010		PANEL FR L<EXCEPT Y>
3	86-MSN-004-010		GRILL FRAME ASSY<EXCEPT Y>
3	86-MSP-010-010		GRILL FRAME ASSY<Y>
4	86-VS2-601-010		SPEAKER W<EXCEPT Y>
4	86-VSP-601-010		SPEAKER W 160<Y>
5	86-VSR-603-010		SPEAKER T 60<Y>
5	84-VS3-603-010		SPEAKER TW<EXCEPT Y>
6	86-VSR-605-010		CERAMIC<Y>

SX-Z290<YJ, YL, YJ7>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MSN-001-010		PANEL FR R<EXCEPT YJ7>
1	86-MSN-013-010		PANEL FR ST R<YJ7>
2	86-MSN-002-010		PANEL FR L<EXCEPT YJ7>
2	86-MSN-014-010		PANEL FR ST L<YJ7>
3	86-MSN-003-010		PANEL BA
4	86-MSN-004-010		GRILL FRAME ASSY
5	86-MSP-602-010		SPEAKER W YJ<EXCEPT YL>
5	86-MSP-601-010		SPEAKER W YL<YL>
6	86-MS6-604-010		SPEAKER TW

SX-FZ2600<Y, YJ, YL, YJST>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MS5-001-010		PANEL FR<EXCEPT YJST>
1	86-MS5-012-010		PANEL FR ST<YJST>
2	86-MS5-019-010		HLDR SQ ASSY
3	86-MS5-017-010		GRILL FRAME ASSY
4	86-MS5-603-010		SPEAKER W YB<EXCEPT YL>
4	86-MS5-609-010		SPEAKER W YL<YL>
5	86-MS5-605-010		SPEAKER TW
6	86-MS5-607-010		SPEAKER
7	85-MS3-611-010		SPEAKER CORD ASSY
8	85-MS3-610-010		SPEAKER CORD ASSY Y/B

SX-FZ2700<Y, YJ, YL, YJST>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-VS2-001-010		PANEL FR<EXCEPT YJST>
2	86-VS2-002-010		PANEL BA
3	86-VS2-008-010		GRILL FRAME ASSY
4	86-VS2-603-010		SPEAKER W<EXCEPT Y>
4	86-VS2-605-010		SPEAKER W<Y>
5	86-MS5-608-010		SPEAKER TW
6	86-MS5-610-010		SPEAKER

SX-AZ2800<Y, YJ, YL, YJ7, YJST, YJ7ST>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MS3-001-010		PANEL FR R<EXCEPT YJST,YJ7ST>
1	86-MS3-023-010		PANEL FR ST R<YJST,YJ7ST>
2	86-MS3-002-010		PANEL FR L<EXCEPT YJST,YJ7ST>
2	86-MS3-024-010		PANEL FR ST L<YJST,YJ7ST>
3	86-MS3-025-010		GRILL FRAME ASSY R
4	86-MS3-026-010		GRILL FRAME ASSY L
5	86-MS3-011-010		PANEL TW R
6	86-MS3-012-010		PANEL TW L
6	86-MS3-601-010		SPEAKER W
7	86-MS4-604-010		SPEAKER MID
8	86-MS4-606-010		SPEAKER
9	86-MS4-608-010		SPEAKER TW
10	85-MS6-611-010		SPEAKER CORD Y/B
11	85-MS5-613-010		SPEAKER CORD ASSY

SX-AZ3450<Y>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-MS3-025-010		GRILL FRAME ASSY R
2	86-MS3-026-010		GRILL FRAME ASSY L
3	86-MS3-001-010		PANEL FR R
4	86-MS3-002-010		PANEL FR L
5	86-NS3-601-010		SPEAKER W
6	86-NS4-604-010		SPEAKER MID
7	86-VS4-606-010		SPEAKER
8	86-NS4-608-010		SPEAKER TW

SX-Z4400<YBNY, YBNY1, YJBNL>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	85-VS4-011-010		GRILL FRAME ASSY<YBNY, YBNY1>
1	85-VS4-006-010		GRILL FRAME ASSY<YJBNL>
2	85-VS4-001-010		PANEL FR R<YJBNL>
3	85-VS4-004-010		PANEL FR L<YJBNL>
4	85-VS4-601-010		SPEAKER W<YBNY1>
4	86-VSR-602-010		SPEAKER W<YJBNL, YBNY>
4	86-VSR-602-010		SPEAKER W<YBNY>
5	85-VS4-603-010		SPEAKER T<YBNY1>
5	86-VSR-603-010		SPEAKER TW<YBNY>
5	84-VS3-603-010		SPEAKER TW<YJBNL>
6	83-096-614-010		SPEAKER CORD<YJBNL>
7	86-VSR-605-010		CERAMIC<YBNY>
7	85-VS4-605-010		CERAMIC<YBNY1>

SX-Z7400<Y>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-VSM-601-010		SPEAKER W
2	86-MSR-603-010		SPEAKER TW
3	86-MSR-604-010		CERAMIC
4	86-MSP-010-010		GRILLE FRAM ASSY

SX-Z9400<Y, YJ, YL>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-VS1-002-010		PANEL W
2	86-VS1-003-010		PANEL TW ASSY
3	86-VS1-009-010		GRILL FRAME ASSY
4	86-VS1-602-010		SPEAKER WOOFER
5	84-VS3-603-010		SPEAKER TWEETER
6	83-149-611-010		TERMINAL
7	81-672-612-010		SPEAKER CORD

SX-NV200 / NV2000<Y, YJ, YL, NV2000YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-CPC-003-010		GRILL FRAME ASSY R
2	86-CPC-006-010		GRILL FRAME ASSY L
3	86-CPC-605-010		SPEAKER

SX-NV210 / NV2100<YBNC, YBNC1, YJ, YL, NV2100YUBNC, NV2100YUBNC1>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NSZ-001-010		PANEL,FR<EXCEPT YBNC>
2	86-NSZ-601-010		SPEAKER,12G<NV2100YUBNC>
2	86-NSZ-603-010		SPEAKER,12GH<YBNC1>
2	86-NSZ-605-010		SPEAKER,12GD<NV2100YUBNC1>
2	86-NSZ-607-010		SPEAKER,12GDH<YJ,YL,YBNC>
3	86-NSZ-602-010		SPEAKER,CERA 14<EXCEPT YBNC>
4	86-NSZ-003-010		NET<EXCEPT YBNC>
5	86-NSZ-610-010		CODE,SP

SX-NAVH8 / NAVH80<Y, YJ, YT, TN, T1, T2, 80YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NSM-001-010		PANEL FR
2	86-NSM-004-010		GRILL FRAME ASSY
3	83-096-614-010		SPEAKER CORD
4	86-NS2-602-010		SPEAKER W 140
5	83-NS2-603-010		SPEAKER TW 60

SX-NAVH9 / NAVH90 / NM9<Y, YJ, YL, YT, YJ7, 90YU, NM9YT>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NSM-001-010		PANEL FR<EXCEPT NM9YT>
2	86-NSM-004-010		GRILL FRAME ASSY
3	83-096-614-010		SPEAKER CORD
4	86-NS2-602-010		SPEAKER W 140<EXCEPT NM9YT>
4	86-NSM-602-010		SPEAKER W 160<NM9YT>
5	86-NSM-604-010		SPEAKER TW 25<NM9YT>
5	83-NS2-603-010		SPEAKER TW 60<EXCEPT NM9YT>
6	86-NSM-610-010		TERMINAL ASSY<EXCEPT NM9YT>
6	85-NSG-610-010		TERMINAL ASSY<NM9YT>

SX-ANH9 / ANH90<Y, YJ, YL, YJ7, ANH90YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NS1-001-010		PANEL FR R
2	86-NS1-002-010		PANEL FR L
3	86-NS1-010-010		GRILL FRAME ASSY R
4	86-NS1-011-010		GRILL FRAME ASSY L
5	86-NS1-602-010		SPEAKER W 140H
6	86-NS4-604-010		SPEAKER M 80
7	86-NS4-606-010		SPEAKER S 80
8	86-NS4-608-010		SPEAKER T 50

SX-FNH8<YJ, YL>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NS2-001-010		PANEL FR
2	86-NS2-016-010		PANEL TW ASSY
3	86-NS2-006-010		GRILL FRAME ASSY
4	86-NS1-602-010		SPEAKER W 140 H
5	83-NS5-608-010		SPEAKER TW
6	83-NS5-610-010		SPEAKER

SX-N340 / N410G / N3150 / N3200<340YB, 340YBNC, 340YJBNC, 340YJABN, 410GB, 3150YU, 3200YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-NS7-002-010		PANEL FR L<3200YU,340YBNC,340YJABN,3150YU>
1	82-NS7-007-010		PANEL FR L H<340YJBNC,340YBNC>
1	82-NS7-017-010	-	PANEL FR L 410<410GB>
2	82-NS7-003-010		PANEL FR R<3200YU,340YBNC,340YJABN,3150YU>
2	82-NS7-008-010		PANEL FR R H<340YJBNC,340YBNC>
2	82-NS7-018-010	-	PANEL FR R 410<410GB>
3	82-NS7-014-010	-	GRILL FRAME ASSY L
4	82-NS7-015-010	-	GRILL FRAME ASSY R
5	83-NS2-602-010	-	SPEAKER WOOFER
6	83-NS2-604-010	-	SPEAKER TWEETER
7	81-MSE-610-010	-	CERAMIC
8	83-096-614-010	-	SPEAKER CORD

SX-FNF7 / FNF77<Y, YJ, YL, YJ7, YJST, FNF77YU>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	86-NSA-001-010		PANEL FR <EXCEPT YJST>
1	86-NSA-013-010		PANEL FR ST<YJST>
2	86-NSA-003-010		GRILL FRAME ASSY
3	86-NSA-007-010		PANEL,TW
4	86-NSA-602-010		SPEAKER,W 160<EXCEPT Y,YU>
4	86-NSA-608-010		SPEAKER,W 160H<Y,YU>
5	86-NSS-604-010		SPEAKER,T 80<EXCEPT Y,YU>
5	86-NSA-610-010		SPEAKER,T 60H<Y,YU>
6	86-NSS-606-010		SPEAKER,80
7	86-NSA-611-010		SPEAKER CODE

SX-Z2890<YJ>
SPEAKER PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	85-MSD-002-010		GRILL,ASSY
2	85-MSD-005-010		PANEL,W
3	85-MSD-006-010		PANEL,M
4	85-MSD-007-010		PANEL,T ASSY
5	85-MSD-601-010		SPEAKER,WOOFER
6	83-MS2-603-010		SPERAKER,TWEETER
7	81-672-612-010		SPEAKER CODE

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, MF	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
	SERGE SUPPRESSOR
	CAP, CERA

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESIVE	SHEET ADHESIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL
	ARM, SHAFT
	GUIDE, SHAFT
	STRAP
	S-SCREW
	HINGE
	S-SCREW
	SCREW, SERPART